

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
AT	180,374	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.49, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
AT	224,627	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.49, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
AT	209,422	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
AT	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
AT	352826	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
AT	343,302	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
AT	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
AT	413,067	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
AT	157,830	Decoding timing control	1	0.2, 3.1, 3.27, 3.41, 3.43, 3.57, 6.1, 7.4.1.2.3, D.1.2, D.2.2, E.2.1, Fig. C-2
AT	354259	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
AT	171,831	Hierarchical picture coding types	6	3.14, 3.15, 3.25, 3.26, 3.27, 3.50, 3.55, 3.77, 3.142, 6.3, 7.3.1, 7.3.2, 7.3.2.1.1, 7.3.3, 7.4.1, 7.4.2, 7.4.2.1.1
AT	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
AT	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
AT	382242	Picture marking syntax	1	3.14, 3.39, 3.40, 3.43, 3.104, 7.3.3, 7.3.3.3, 7.4.1.2.4, 7.4.3, 7.4.3.3, 8.2.5.2, Annex C, C.2.3, Table 7-9
BE	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
BE	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
BE	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
BE	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
BE	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
BE	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
BE	1,387,585	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
BE	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
BE	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
BE	0460751	Decoding timing control	1	0.2, 3.1, 3.27, 3.41, 3.43, 3.57, 6.1, 7.4.1.2.3, D.1.2, D.2.2, E.2.1, Fig. C-2
BE	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
BE	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
BG	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
BG	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
BG	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
CH	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
CH	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
CH	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
CH	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
CH	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
CH	1,452,039	Deblocking filtering	1	0.2, 3.15, 3.77, 3.104, 3.113, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8 10, Table 8-16

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
CH	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
CH	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
CH	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
CH	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
CN	100380983	Chroma format sampling	5	3.14, 3.24, 3.43, 3.49, 3.72, 3.76, 3.151, 3.152, 6.2, 7.3, 7.3.2.1.1, 7.4, 7.4.2.1.1, 8, Table 6-1, Fig. 6-3, A.2.4, A.2.5, A.2.6
CN	200510130222.6	Chrominance motion vectors	2	6.2, 7.4.2.1.1, 8, 8.4.1, 8.4.1.4, Table 8-10
CN	200410005357.5	Deblocking filtering	1	7.3.5, 7.4.5, 8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Tables 7-10 to 7-14
CY	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
CZ	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
CZ	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
CZ	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
CZ	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
CZ	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
CZ	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
CZ	1,387,585	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
CZ	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
CZ	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
CZ	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
CZ	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
DE	69229229	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.49, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
DE	69232784	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.49, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
DE	69232357	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
DE	3769306*	Block based intra/inter selection	1	0.2, 0.5, 0.6.1, 0.6.3, 0.6.4, 3.1, 3.66, 3.67, 3.121, 7.4.2.4, 7.4.3.3, 7.4.5, 8, 8.2.4.2.5, 8.3, 8.3.1, 8.3.1.2.3, 8.4, 8.4.1, A.2.1, C.2.2, Tables 7-5, 7-10
DE	3767919*	Block skipping/coded block pattern	1	1, 3.27, 3.53, 3.64, 3.69, 3.75, 3.77, 3.85, 3.98, 3.127, 3.135, 6.1, 6.3, 6.4.1, 7.3.4, 7.3.5, 7.3.5.3, 7.4.5, 7.4.5.3, 8.2.1, 8.4, 8.4.1, 8.4.1.1, 8.4.1.2, 8.5, Tables 7-13, 7-14
DE	69937462.6	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
DE	60318757.9	Coding level syntax	1	3.43, 3.55, 3.56, 3.77, 3.104, 7.3.2.1, 7.4.2.1.1, A.2.1, A.2.2, A.2.3, A.2.4, A.2.5, A.2.6, A.2.7, A.3.1, A.3.2, C.2, C.2.4.1, C.4, C.4.5.1, C.4.5.3, Table A-1
DE	50306371.1	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
DE	50305419	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
DE	50311129.5	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
DE	60312620.0	Context-Based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
DE	60317585.6	Context-Based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
DE	60318918.0	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
DE	60321406.1	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
DE	60311530.6	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
DE	60311734.1	Context-Based Adaptive Variable Length Coding	1	3.14, 3.15, 3.41, 3.153, 3.158, 5.4, 7.3.5.3.1, 7.4.5.3, 8.5, 8.5.1, 8.5.4, 8.5.8, 8.5.10, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-6
DE	60302652.4	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
DE	60203492.2	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
DE	60230666.3	Deblocking filtering	1	0.2, 3.15, 3.77, 3.104, 3.113, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-10, Table 8-16
DE	60214248.2	Deblocking filtering	1	0.6, 3.12, 3.37, 3.38, 3.59, 3.63, 3.64, 3.75, 3.98, 3.121, 7.4.5, 8, 8.1, 8.7.2
DE	60215241.0	Deblocking filtering	1	1, 3.63, 3.64, 3.98, 3.80, 3.127, 8.0, 8.4, 8.5, 8.6, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-11
DE	60220106.3	Deblocking filtering	2	1, 3.63, 3.64, 3.80, 3.98, 3.127, 8, 8.4, 8.5, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, A, Fig. 8-11
DE	60329427.8	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
DE	60324480.7	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
DE	69127504	Decoding timing control	1	0.2, 3.1, 3.27, 3.41, 3.43, 3.57, 6.1, 7.4.1.2.3, D.1.2, D.2.2, E.2.1, Fig. C-2
DE	60311720.1	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
DE	10300533	Direct mode	1	3.42, 3.72, 3.123, 3.124, 7.4.5, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 7-18
DE	69129595	Field biprediction	25	0.2, 0.5.2, 0.6.2, 0.6.4, 3.8, 3.85, 3.127, 3.136, 3.138, 6.2, 8, 8.4
DE	69130329	Field biprediction	28	0.6, 0.6.2, 0.6.3, 3.75, 3.76, 3.85, 3.120, 3.121, 3.122, 8, 8.2.4.2, 8.4, 8.4.1
DE	69109346.6	Hierarchical picture coding types	1	0.2, 3.8, 3.48, 3.53, 3.59, 3.62, 3.63, 3.64, 3.66, 3.67, 3.98, 3.102, 3.134, 7.3.3, 7.4.1, 7.4.3, A.2.1, Table 7-1
DE	69227185	Hierarchical picture coding types	6	3.14, 3.15, 3.25, 3.26, 3.27, 3.50, 3.55, 3.77, 3.142, 6.3, 7.3.1, 7.3.2, 7.3.2.1.1, 7.3.3, 7.4.1, 7.4.2, 7.4.2.1.1
DE	10300528.5	Inter prediction	1	3.104, 8, 8.2.1, 8.4, 8.4.1, 8.4.1.2.3, 8.2.4, 8.2.4.2.3, 8.2.4.2.4, 8.2.4.3
DE	10300529.3	Inter prediction	1	1, 3.8, 3.42, 3.136, 7.45, 8.2.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
DE	60310842.3	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
DE	60325691.0	Inter prediction	1	3.8, 3.15, 3.27, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2,
DE	60322276.5	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
DE	60322277.3	Inter prediction	1	3.8, 3.15, 3.27, 3.64, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2
DE	60313454.8	Intra prediction	1	3.37, 3.39, 3.75, 5.8, 6.2, 6.3, 7.2, 7.3.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.1 to 8.3.1.2.9, A.2, Tables 8-2, 8-3
DE	60320243.8	Motion vector prediction	1	0.2, 0.6.2, 3.85, 3.104, 3.108, 7.3.5.1, 7.3.5.2, 7.4.5.1, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.1.3, 8.4, 8.4.1, 8.4.1.3, 8.4.1.3.1
DE	60310368.5	NAL unit syntax	1	3.14, 3.41, 3.45, 3.87, 3.143, 6.1, 7.3.1, 7.4.1, B
DE	60318307.7	Picture marking syntax	1	3.14, 3.39, 3.40, 3.43, 3.104, 7.3.3, 7.3.3.3, 7.4.1.2.4, 7.4.3, 7.4.3.3, 8.2.5.2, Annex C, C.2.3, Table 7-9
DE	69822751.4	Picture order count	8	0.2, 3.14, 3.53, 3.102, 3.104, 3.136, 7.3.2.9.1, 7.4.2.1, 7.4.3, 7.4.1.2.2, 8.2.1
DE	69321781	Scanning pattern	10	3.49, 3.54, 3.76, 3.102, 3.111, 3.130, 6.4.3, 7.4.2.1, 7.4.4, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, A.2.1, Fig. 8-8, Tables 9-6, 9-7, 9-8
DE	60311231.5	SEI message syntax	1	3.1, 3.39, 3.41, 7.3.2.3, 7.3.2.3.1, 7.4.2.3.1, D.1.7, D.2.7
DK	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
DK	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
DK	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
DK	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
DK	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
DK	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
DK	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
DK	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
DK	1,387,585	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
DK	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
DK	0460751	Decoding timing control	1	0.2, 3.1, 3.27, 3.41, 3.43, 3.57, 6.1, 7.4.1.2.3, D.1.2, D.2.2, E.2.1, Fig. C-2
DK	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
DK	0443676	Hierarchical picture coding types	1	0.2, 3.8, 3.48, 3.53, 3.59, 3.62, 3.63, 3.64, 3.66, 3.67, 3.98, 3.102, 3.134, 7.3.3, 7.4.1, 7.4.3, A.2.1, Table 7-1
DK	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
EE	E001131	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
ES	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
ES	2299170	Coding level syntax	1	3.43, 3.55, 3.56, 3.77, 3.104, 7.3.2.1, 7.4.2.1.1, A.2.1, A.2.2, A.2.3, A.2.4, A.2.5, A.2.6, A.2.7, A.3.1, A.3.2, C.2, C.2.4.1, C.4, C.4.5.1, C.4.5.3, Table A-1
ES	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
ES	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
ES	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
ES	1,401,213	Context-Based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
ES	2294768	Context-Based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
ES	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
ES	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
ES	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
ES	1,424,856	Context-Based Adaptive Variable Length Coding	1	3.14, 3.15, 3.41, 3.153, 3.158, 5.4, 7.3.5.3.1, 7.4.5.3, 8.5, 8.5.1, 8.5.4, 8.5.8, 8.5.10, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-6
ES	2,252,666	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
ES	2,238,593	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
ES	2,318,055	Deblocking filtering	1	0.2, 3.15, 3.77, 3.104, 3.113, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-10, Table 8-16
ES	1,515,567	Deblocking filtering	1	0.6, 3.12, 3.37, 3.38, 3.59, 3.63, 3.64, 3.75, 3.98, 3.121, 7.4.5, 8, 8.1, 8.7.2
ES	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
ES	2,317,444	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
ES	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
ES	1,359,767	Direct mode	1	1, 3.8, 3.42, 3.136, 7.45, 8.2.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2
ES	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
ES	1,450,565	Inter prediction	1	3.8, 3.15, 3.27, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2
ES	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
ES	1,739,973	Inter prediction	1	3.8, 3.15, 3.27, 3.64, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2
ES	1,510,078	Intra prediction	1	3.37, 3.39, 3.75, 5.8, 6.2, 6.3, 7.2, 7.3.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.1 to 8.3.1.2.9, A.2, Tables 8-2, 8-3
ES	1,499,133	Motion vector prediction	1	0.2, 0.6.2, 3.85, 3.104, 3.108, 7.3.5.1, 7.3.5.2, 7.4.5.1, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.1.3, 8.4, 8.4.1, 8.4.1.3, 8.4.1.3.1
ES	2297187	Picture marking syntax	1	3.14, 3.39, 3.40, 3.43, 3.104, 7.3.3, 7.3.3.3, 7.4.1.2.4, 7.4.3, 7.4.3.3, 8.2.5.2, Annex C, C.2.3, Table 7-9

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
FI	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
FI	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
FI	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
FI	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
FI	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
FI	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
FI	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
FI	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
FI	1,387,585	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
FI	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
FI	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
FI	1,359,769	Inter prediction	1	1, 3.136, 3.42, 3.8, 7.4.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2, 8.4.2.3.2, Fig.9-2
FI	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
FI	1,499,133	Motion vector prediction	1	0.2, 0.6.2, 3.85, 3.104, 3.108, 7.3.5.1, 7.3.5.2, 7.4.5.1, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.1.3, 8.4, 8.4.1, 8.4.1.3, 8.4.1.3.1
FR	598,904	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.49, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
FR	898,426	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.49, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
FR	907,289	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
FR	0279053*	Block based intra/inter selection	1	0.2, 0.5, 0.6.1, 0.6.3, 0.6.4, 3.1, 3.66, 3.67, 3.121, 7.4.2.4, 7.4.3.3, 7.4.5, 8, 8.2.4.2.5, 8.3, 8.3.1, 8.3.1.2.3, 8.4, 8.4.1, A.2.1, C.2.2, Tables 7-5, 7-10
FR	2599577*	Block skipping/coded block pattern	1	1, 3.27, 3.53, 3.64, 3.69, 3.75, 3.77, 3.85, 3.98, 3.127, 3.135, 6.1, 6.3, 6.4.1, 7.3.4, 7.3.5, 7.3.5.3, 7.4.5, 7.4.5.3, 8.2.1, 8.4, 8.4.1, 8.4.1.1, 8.4.1.2, 8.5, Tables 7-13, 7-14
FR	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
FR	1,765,018	Coding level syntax	1	3.43, 3.55, 3.56, 3.77, 3.104, 7.3.2.1, 7.4.2.1.1, A.2.1, A.2.2, A.2.3, A.2.4, A.2.5, A.2.6, A.2.7, A.3.1, A.3.2, C.2, C.2.4.1, C.4, C.4.5.1, C.4.5.3, Table A-1
FR	1,742,482	Context based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
FR	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
FR	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
FR	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
FR	1,401,213	Context-Based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
FR	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
FR	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
FR	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
FR	1,424,856	Context-Based Adaptive Variable Length Coding	1	3.14, 3.15, 3.41, 3.153, 3.158, 5.4, 7.3.5.3.1, 7.4.5.3, 8.5, 8.5.1, 8.5.4, 8.5.8, 8.5.10, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-6
FR	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
FR	1,387,585	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
FR	1,452,039	Deblocking filtering	1	0.2, 3.15, 3.77, 3.104, 3.113, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-10, Table 8-16
FR	1,515,567	Deblocking filtering	1	0.6, 3.12, 3.37, 3.38, 3.59, 3.63, 3.64, 3.75, 3.98, 3.121, 7.4.5, 8, 8.1, 8.7.2
FR	1,246,131	Deblocking filtering	1	1, 3.63, 3.64, 3.98, 3.80, 3.127, 8.0, 8.4, 8.5, 8.6, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-11
FR	1,596,604	Deblocking filtering	2	1, 3.63, 3.64, 3.80, 3.98, 3.127, 8, 8.4, 8.5, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, A, Fig. 8-11
FR	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
FR	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
FR	0460751	Decoding timing control	1	0.2, 3.1, 3.27, 3.41, 3.43, 3.57, 6.1, 7.4.1.2.3, D.1.2, D.2.2, E.2.1, Fig. C-2
FR	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
FR	1,359,767	Direct mode	1	1, 3.8, 3.42, 3.136, 7.45, 8.2.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2
FR	564,597	Field biprediction	28	0.6, 0.6.2, 0.6.3, 3.75, 3.76, 3.85, 3.120, 3.121, 3.122, 8, 8.2.4.2, 8.4, 8.4.1
FR	0443676	Hierarchical picture coding types	1	0.2, 3.8, 3.48, 3.53, 3.59, 3.62, 3.63, 3.64, 3.66, 3.67, 3.98, 3.102, 3.134, 7.3.3, 7.4.1, 7.4.3, A.2.1, Table 7-1
FR	573,665	Hierarchical picture coding types	6	3.14, 3.15, 3.25, 3.26, 3.27, 3.50, 3.55, 3.77, 3.142, 6.3, 7.3.1, 7.3.2, 7.3.2.1.1, 7.3.3, 7.4.1, 7.4.2, 7.4.2.1.1
FR	1,359,769	Inter prediction	1	1, 3.136, 3.42, 3.8, 7.4.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2, 8.4.2.3.2, Fig. 9-2
FR	1,383,338	Inter prediction	1	3.104, 8, 8.2.1, 8.2.4, 8.2.4.2.3, 8.2.4.2.4, 8.2.4.3, 8.4, 8.4.1, 8.4.1.2.3
FR	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
FR	1,450,565	Inter prediction	1	3.8, 3.15, 3.27, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
FR	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
FR	1,739,973	Inter prediction	1	3.8, 3.15, 3.27, 3.64, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2
FR	1,510,078	Intra prediction	1	3.37, 3.39, 3.75, 5.8, 6.2, 6.3, 7.2, 7.3.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.1 to 8.3.1.2.9, A.2, Tables 8-2, 8-3
FR	1,499,133	Motion vector prediction	1	0.2, 0.6.2, 3.85, 3.104, 3.108, 7.3.5.1, 7.3.5.2, 7.4.5.1, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.1.3, 8.4, 8.4.1, 8.4.1.3, 8.4.1.3.1
FR	1,468,567	NAL unit syntax	1	3.14, 3.41, 3.45, 3.87, 3.143, 6.1, 7.3.1, 7.4.1, B
FR	1,496,706	Picture marking syntax	1	3.14, 3.39, 3.40, 3.43, 3.104, 7.3.3, 7.3.3.3, 7.4.1.2.4, 7.4.3, 7.4.3.3, 8.2.5.2, Annex C, C.2.3, Table 7-9
FR	0909099	Picture order count	8	0.2, 3.14, 3.53, 3.102, 3.104, 3.136, 7.3.2.9.1, 7.4.2.1, 7.4.3, 7.4.1.2.2, 8.2.1
FR	580,454	Scanning pattern	10	3.49, 3.54, 3.76, 3.102, 3.111, 3.130, 6.4.3, 7.4.2.1, 7.4.4, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, A.2.1, Fig. 8-8, Tables 9-6, 9-7, 9-8
FR	1,468,566	SEI message syntax	1	3.1, 3.39, 3.41, 7.3.2.3, 7.3.2.3.1, 7.4.2.3.1, D.1.7, D.2.7
FR	630,157	Field biprediction	25	0.2, 0.5.2, 0.6.2, 0.6.4, 3.8, 3.85, 3.127, 3.136, 3.138, 6.2, 8, 8.4
GB	598,904	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.49, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
GB	2,387,498	Biprediction	8	3.8, 3.42, 3.136, 7.4.5, 8.2.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2, 8.4.2.1, 8.4.2.2, 8.4.2.3, 8.4.2.3.2
GB	2,408,889	Biprediction	1	3.8, 3.42, 3.136, 7.4.5, 8.2.1, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2, 8.4.2.1, 8.4.2.2, 8.4.2.3, 8.4.2.3.2
GB	0279053*	Block based intra/inter selection	1	0.2, 0.5, 0.6.1, 0.6.3, 0.6.4, 3.1, 3.66, 3.67, 3.121, 7.4.2.4, 7.4.3.3, 7.4.5, 8, 8.2.4.2.5, 8.3, 8.3.1, 8.3.1.2.3, 8.4, 8.4.1, A.2.1, C.2.2, Tables 7-5, 7-10
GB	248,711*	Block skipping/coded block pattern	1	1, 3.27, 3.53, 3.64, 3.69, 3.75, 3.77, 3.85, 3.98, 3.127, 3.135, 6.1, 6.3, 6.4.1, 7.3.4, 7.3.5, 7.3.5.3, 7.4.5, 7.4.5.3, 8.2.1, 8.4, 8.4.1, 8.4.1.1, 8.4.1.2, 8.5, Tables 7-13, 7-14
GB	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
GB	1,765,018	Coding level syntax	1	3.43, 3.55, 3.56, 3.77, 3.104, 7.3.2.1, 7.4.2.1.1, A.2.1, A.2.2, A.2.3, A.2.4, A.2.5, A.2.6, A.2.7, A.3.1, A.3.2, C.2, C.2.4.1, C.4, C.4.5.1, C.4.5.3, Table A-1

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
GB	1,742,482	Context based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
GB	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
GB	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
GB	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
GB	1,401,213	Context-Based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
GB	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
GB	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
GB	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
GB	1,424,856	Context-Based Adaptive Variable Length Coding	1	3.14, 3.15, 3.41, 3.153, 3.158, 5.4, 7.3.5.3.1, 7.4.5.3, 8.5, 8.5.1, 8.5.4, 8.5.8, 8.5.10, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-6
GB	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
GB	1,387,585	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
GB	1,452,039	Deblocking filtering	1	0.2, 3.15, 3.77, 3.104, 3.113, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-10, Table 8-16
GB	1,515,567	Deblocking filtering	1	0.6, 3.12, 3.37, 3.38, 3.59, 3.63, 3.64, 3.75, 3.98, 3.121, 7.4.5, 8, 8.1, 8.7.2
GB	1,246,131	Deblocking filtering	1	1, 3.63, 3.64, 3.98, 3.80, 3.127, 8.0, 8.4, 8.5, 8.6, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-11
GB	1,596,604	Deblocking filtering	2	1, 3.63, 3.64, 3.80, 3.98, 3.127, 8, 8.4, 8.5, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, A, Fig. 8-11
GB	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
GB	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
GB	0460751	Decoding timing control	1	0.2, 3.1, 3.27, 3.41, 3.43, 3.57, 6.1, 7.4.1.2.3, D.1.2, D.2.2, E.2.1, Fig. C-2
GB	2,388,267	Direct mode	1	1, 7.4.5, 8.2.5, 8.4.1.2.1, 8.4.1.2.3, C.2, Tables 7-10, 7-14
GB	2,405,549	Direct mode	1	8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
GB	2,416,455	Direct mode	21	8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
GB	2,393,873	Direct mode	1	3.42, 3.72, 3.123, 3.124, 7.4.5, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 7-18
GB	2,406,459	Direct mode	1	3.42, 7.4.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 8-6
GB	2,406,460	Direct mode	1	8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
GB	2,430,325	Direct mode	1	1, 3.8, 3.42, 3.136, 7.4.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2
GB	564,597	Field biprediction	28	0.6, 0.6.2, 0.6.3, 3.75, 3.76, 3.85, 3.120, 3.121, 3.122, 8, 8.2.4.2, 8.4, 8.4.1
GB	630,157	Field biprediction	25	0.2, 0.5.2, 0.6.2, 0.6.4, 3.8, 3.85, 3.127, 3.136, 3.138, 6.2, 8, 8.4
GB	0443676	Hierarchical picture coding types	1	0.2, 3.8, 3.48, 3.53, 3.59, 3.62, 3.63, 3.64, 3.66, 3.67, 3.98, 3.102, 3.134, 7.3.3, 7.4.1, 7.4.3, A.2.1, Table 7-1
GB	573,665	Hierarchical picture coding types	6	3.14, 3.15, 3.25, 3.26, 3.27, 3.50, 3.55, 3.77, 3.142, 6.3, 7.3.1, 7.3.2, 7.3.2.1.1, 7.3.3, 7.4.1, 7.4.2, 7.4.2.1.1
GB	2,422,263	Inter prediction	1	1, 3.8, 3.42, 3.136, 8.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.1, 8.4.2
GB	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
GB	1,450,565	Inter prediction	1	3.8, 3.15, 3.27, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2
GB	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
GB	1,739,973	Inter prediction	1	3.8, 3.15, 3.27, 3.64, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2
GB	1,510,078	Intra prediction	1	3.37, 3.39, 3.75, 5.8, 6.2, 6.3, 7.2, 7.3.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.1 to 8.3.1.2.9, A.2, Tables 8-2, 8-3
GB	2,392,042	Intra prediction modes	1	3.55, 3.61, 3.66, 3.69, 3.77, 3.136, 3.138, 7.3.2.2, 7.4.2.2, 8.3.3
GB	1,499,133	Motion vector prediction	1	0.2, 0.6.2, 3.85, 3.104, 3.108, 7.3.5.1, 7.3.5.2, 7.4.5.1, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.1.3, 8.4, 8.4.1, 8.4.1.3, 8.4.1.3.1
GB	1,468,567	NAL unit syntax	1	3.14, 3.41, 3.45, 3.87, 3.143, 6.1, 7.3.1, 7.4.1, B

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
GB	1,496,706	Picture marking syntax	1	3.14, 3.39, 3.40, 3.43, 3.104, 7.3.3, 7.3.3.3, 7.4.1.2.4, 7.4.3, 7.4.3.3, 8.2.5.2, Annex C, C.2.3, Table 7-9
GB	0909099	Picture order count	8	0.2, 3.14, 3.53, 3.102, 3.104, 3.136, 7.3.2.9.1, 7.4.2.1, 7.4.3, 7.4.1.2.2, 8.2.1
GB	2,412,032	Predictive reference picture selection	1	3.41, 3.100, 7.4.3, 7.4.5.1, 7.4.5.2, 8, 8.2.4, 8.2.4.2, 8.2.4.2.1 to 8.2.4.2.5, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1
GB	2,436,981	Predictive reference picture selection	1	3.41, 3.100, 7.4.3, 7.4.5.1, 7.4.5.2, 8, 8.2.4, 8.2.4.2, 8.2.4.2.1 to 8.2.4.2.5, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1
GB	580,454	Scanning pattern	10	3.49, 3.54, 3.76, 3.102, 3.111, 3.130, 6.4.3, 7.4.2.1, 7.4.4, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, A.2.1, Fig. 8-8, Tables 9-6, 9-7, 9-8
GB	1,468,566	SEI message syntax	1	3.1, 3.39, 3.41, 7.3.2.3, 7.3.2.3.1, 7.4.2.3.1, D.1.7, D.2.7
GR	3060957	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
GR	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
GR	20060403642	Deblocking filtering	1	0.6, 3.12, 3.37, 3.38, 3.59, 3.63, 3.64, 3.75, 3.98, 3.121, 7.4.5, 8, 8.1, 8.7.2
GR	3,067,753	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
GR	3,060,991	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
HU	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
HU	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
HU	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
HU	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
HU	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
HU	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
HU	E000227	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
HU	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
HU	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
HU	E002547	Direct mode	1	1, 3.8, 3.42, 3.136, 7.45, 8.2.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2
HU	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
HU	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
IE	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
IE	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
IE	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
IE	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
IE	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
IE	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
IE	1,387,585	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
IE	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
IE	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
IT	RM1999B050448	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.49, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
IT	RM2002B052345	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.49, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
IT	RM2002B048140	Adaptive field/frame coding selection	1	0.6.2, 3.14, 3.17, 3.25, 3.26, 3.27, 3.34, 3.36, 3.50, 3.52, 3.55, 3.56, 3.57, 3.77, 3.81, 3.153, 3.154, 6.2, 6.3, 7.3.2.1.1, 7.3.3, 7.3.4, 7.4.2.1.1, 7.4.4, 8, 8.2.4.2.2, 8.4, 8.5, 8.5.2, 8.5.11, 8.5.11.1, 8.5.11.2, Table 8-7
IT	0279053*	Block based intra/inter selection	1	0.2, 0.5, 0.6.1, 0.6.3, 0.6.4, 3.1, 3.66, 3.67, 3.121, 7.4.2.4, 7.4.3.3, 7.4.5, 8, 8.2.4.2.5, 8.3, 8.3.1, 8.3.1.2.3, 8.4, 8.4.1, A.2.1, C.2.2, Tables 7-5, 7-10
IT	248,711*	Block skipping/coded block pattern	1	1, 3.27, 3.53, 3.64, 3.69, 3.75, 3.77, 3.85, 3.98, 3.127, 3.135, 6.1, 6.3, 6.4.1, 7.3.4, 7.3.5, 7.3.5.3, 7.4.5, 7.4.5.3, 8.2.1, 8.4, 8.4.1, 8.4.1.1, 8.4.1.2, 8.5, Tables 7-13, 7-14
IT	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
IT	1,765,018	Coding level syntax	1	3.43, 3.55, 3.56, 3.77, 3.104, 7.3.2.1, 7.4.2.1.1, A.2.1, A.2.2, A.2.3, A.2.4, A.2.5, A.2.6, A.2.7, A.3.1, A.3.2, C.2, C.2.4.1, C.4, C.4.5.1, C.4.5.3, Table A-1
IT	1,742,482	Context based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
IT	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
IT	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
IT	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
IT	1,401,213	Context-Based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
IT	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
IT	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
IT	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
IT	1,424,856	Context-Based Adaptive Variable Length Coding	1	3.14, 3.15, 3.41, 3.153, 3.158, 5.4, 7.3.5.3.1, 7.4.5.3, 8.5, 8.5.1, 8.5.4, 8.5.8, 8.5.10, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-6
IT	TO200668156	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
IT	TO2005B070288	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
IT	TO2009B068457	Deblocking filtering	1	0.2, 3.15, 3.77, 3.104, 3.113, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-10, Table 8-16
IT	TO2006B073836	Deblocking filtering	1	0.6, 3.12, 3.37, 3.38, 3.59, 3.63, 3.64, 3.75, 3.98, 3.121, 7.4.5, 8, 8.1, 8.7.2
IT	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
IT	MI2009B019817	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
IT	52497 BE/97	Decoding timing control	1	0.2, 3.1, 3.27, 3.41, 3.43, 3.57, 6.1, 7.4.1.2.3, D.1.2, D.2.2, E.2.1, Fig. C-2
IT	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
IT	1,359,767	Direct mode	1	1, 3.8, 3.42, 3.136, 7.45, 8.2.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2
IT	0443676	Hierarchical picture coding types	1	0.2, 3.8, 3.48, 3.53, 3.59, 3.62, 3.63, 3.64, 3.66, 3.67, 3.98, 3.102, 3.134, 7.3.3, 7.4.1, 7.4.3, A.2.1, Table 7-1
IT	RM1998B052096	Hierarchical picture coding types	6	3.14, 3.15, 3.25, 3.26, 3.27, 3.50, 3.55, 3.77, 3.142, 6.3, 7.3.1, 7.3.2, 7.3.2.1.1, 7.3.3, 7.4.1, 7.4.2, 7.4.2.1.1
IT	1,359,769	Inter prediction	1	1, 3.136, 3.42, 3.8, 7.4.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2, 8.4.2.3.2, Fig. 9-2
IT	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
IT	1,450,565	Inter prediction	1	3.8, 3.15, 3.27, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2

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(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
IT	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
IT	1,739,973	Inter prediction	1	3.8, 3.15, 3.27, 3.64, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2
IT	1,510,078	Intra prediction	1	3.37, 3.39, 3.75, 5.8, 6.2, 6.3, 7.2, 7.3.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.1 to 8.3.1.2.9, A.2, Tables 8-2, 8-3
IT	1,499,133	Motion vector prediction	1	0.2, 0.6.2, 3.85, 3.104, 3.108, 7.3.5.1, 7.3.5.2, 7.4.5.1, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.1.3, 8.4, 8.4.1, 8.4.1.3, 8.4.1.3.1
IT	1,468,567	NAL unit syntax	1	3.14, 3.41, 3.45, 3.87, 3.143, 6.1, 7.3.1, 7.4.1, B
IT	1,496,706	Picture marking syntax	1	3.14, 3.39, 3.40, 3.43, 3.104, 7.3.3, 7.3.3.3, 7.4.1.2.4, 7.4.3, 7.4.3.3, 8.2.5.2, Annex C, C.2.3, Table 7-9
IT	2004B69800	Picture order count	8	0.2, 3.14, 3.53, 3.102, 3.104, 3.136, 7.3.2.9.1, 7.4.2.1, 7.4.3, 7.4.1.2.2, 8.2.1
IT	1,468,566	SEI message syntax	1	3.1, 3.39, 3.41, 7.3.2.3, 7.3.2.3.1, 7.4.2.3.1, D.1.7, D.2.7
JP	4,435,480	Bipredictive motion compensation	1	8.4.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	3,791,922	Chrominance motion vectors	1	6.2, 8.4.1.4, Fig. 6.1, Table 8-9
JP	3,946,721	Chrominance motion vectors	1	6.2, 8.4.1.4, Fig. 6.1, Tables 6-1, 8-10
JP	3,946,758	Chrominance motion vectors	1	6.2, 8.4.1.4, Fig. 6.1, Tables 6-1, 8-10
JP	3,946,759	Chrominance motion vectors	1	6.2, 8.4.1.4, Fig. 6.1, Tables 6-1, 8-10
JP	3,208,101	Coding mode information	1	3.12, 3.54, 6.4.7, 7.3.5.1, 8.3.1.1, Fig. 8-1, Table 8-2
JP	3,222,876	Coding mode information	1	3.12, 3.54, 6.4.4, 6.4.5, 6.4.7, 7.3.5.1, 8.3.1.1, Fig. 8-1, Table 8-2
JP	3,527,454	Coding mode information	1	3.11, 3.12, 6.4.7, 7.3.5.1, 7.3.5.3, 8.3.1, 8.3.1.1, 8.3.1.2, Fig. 8-1, Table 8-2
JP	3,989,485	Context-based Adaptive Binary Arithmetic Coding	9	9.3, 9.3.1.1, 9.3.3.2, 9.3.3.2.1, Figs. 9-2, 9-3, Table 9-35
JP	4,054,345	Context-based Adaptive Binary Arithmetic Coding	1	9.3, 9.3.1.1, 9.3.3.1, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Figs. 9-1, 9-2, 9-3
JP	4,057,595	Context-based Adaptive Binary Arithmetic Coding	3	7.3.5.3.2, 7.4.5.3.2, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.3, Figs. 9-1, 9-3, 9-5, Table 9-25
JP	4,295,356	Context-based Adaptive Binary Arithmetic Coding	1	7.3.5.3.3, 7.4.5.3.3, 9.3, 9.3.1, 9.3.2, 9.3.2.3, 9.3.2.4, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.3, Figs. 9-1, 9-3, 9-5, Table 9-34
JP	4,313,757	Context-based Adaptive Binary Arithmetic Coding	1	7.3.5.3.3, 7.4.5.3.3, 9.3, 9.3.1, 9.3.2, 9.3.2.3, 9.3.2.4, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.3, Figs. 9-1, 9-3, 9-5, Table 9-34

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(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	4,313,771	Context-based Adaptive Binary Arithmetic Coding	1	7.3.5.3.3, 7.4.5.3.3, 9.3, 9.3.1, 9.3.2, 9.3.2.3, 9.3.2.4, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.3, Figs. 9-1, 9-3, 9-5, Table 9-34
JP	4,142,180	Context-based Adaptive Binary Arithmetic Coding	1	2.1.1, 2.1.2, 8.4.1, 8.4.1.3, 8.4.1.3.1, 9.3.2, 9.3.2.3, 9.3.3.1, 9.3.3.1.1.7, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-3, Tables 9-11, 9-25, 9-30, 9-35, 9-36
JP	4,184,388	Context-based Adaptive Binary Arithmetic Coding	1	2.1.1, 2.1.2, 8.4.1, 8.4.1.3, 8.4.1.3.1, 9.3.2, 9.3.2.3, 9.3.3.1, 9.3.3.1.1.7, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-3, Table 9-11, 9-34, 9-39, 9-44, 9-45
JP	4,184,389	Context-based Adaptive Binary Arithmetic Coding	1	2.1.1, 2.1.2, 8.4.1, 8.4.1.3, 8.4.1.3.1, 9.3.2, 9.3.2.3, 9.3.3.1, 9.3.3.1.1.7, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-3, Tables 9-11, 9-34, 9-39, 9-44, 9-45
JP	3,807,342	Context-based Adaptive Binary Arithmetic Coding	2	3.136, 7.3.2.8, 7.3.4, 7.4.3, 9.3, 9.3.1, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.2, Fig. 9-1, Tables 9-12 to 9-23, 9-25, 9-30
JP	4,211,780	Context-based Adaptive Binary Arithmetic Coding	1	3.138, 7.3.2.8, 7.4.3, 9.3, 9.3.1.1, 9.3.3.1, 9.3.3.2
JP	3,491,001	Context-based Adaptive Binary Arithmetic Coding	2	7.3.3, 7.4.3, 9.3.1.1, Tables 9-11 to 9-15
JP	4,090,862	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.77, 3.155, 7.3.5.3.3, 7.4.5.3.3, 8.5.6, 9.3, 9.3.1, 9.3.3.1, 9.3.3.1.3, 9.3.3.2.1.1, Fig. 8-8, Table 8-13
JP	4,091,074	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.77, 3.155, 7.3.5.3.3, 7.4.5.3.3, 8.5.6, 9.3, 9.3.1, 9.3.3.1, 9.3.3.1.3, 9.3.3.2.1.1, Fig. 8-8, Table 8-13
JP	4,091,107	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.77, 3.155, 7.3.5.3.3, 7.4.5.3.3, 8.5.6, 9.3, 9.3.1, 9.3.3.1, 9.3.3.1.3, 9.3.3.2.1.1, Fig. 8-8, Table 8-13
JP	4,091,108	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.77, 3.155, 7.3.5.3.3, 7.4.5.3.3, 8.5.6, 9.3, 9.3.1, 9.3.3.1, 9.3.3.1.3, 9.3.3.2.1.1, Fig. 8-8, Table 8-13
JP	3,078,692	Context-based Adaptive Binary Arithmetic Coding	1	4.1, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, 9.3.3.2.2, Figs. 9-3, 9-4, Table 9-35
JP	4,100,552	Context-Based Adaptive Variable Length Coding	1	3.153, 7.4.3.5.1, 9.2, 9.2.3, Table 9-10
JP	4,130,780	Context-Based Adaptive Variable Length Coding	1	3.153, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.1, Table 9-5
JP	4,158,985	Context-Based Adaptive Variable Length Coding	1	3.130, 3.155, 3.156, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.3, 9.2.4, Table 9-10
JP	4,158,986	Context-Based Adaptive Variable Length Coding	1	3.153, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.3, Table 9-10
JP	4,158,993	Context-Based Adaptive Variable Length Coding	1	3.130, 3.155, 3.156, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.3, 9.2.4, Table 9-10
JP	4,158,994	Context-Based Adaptive Variable Length Coding	1	3.130, 3.155, 3.156, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.3, 9.2.4, Table 9-10

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(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	4,158,996	Context-Based Adaptive Variable Length Coding	1	3.153, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.3, 9.2.4, Table 9-10
JP	4,158,998	Context-Based Adaptive Variable Length Coding	1	3.130, 3.155, 3.156, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
JP	4,185,106	Context-Based Adaptive Variable Length Coding	1	3.155, 7.3.5.3.1, 7.4.5.3.2, 9.2, 9.2.1, Table 9-5
JP	4,185,560	Context-Based Adaptive Variable Length Coding	1	3.155, 7.3.5.3.1, 7.4.5.3.2, 9.2, 9.2.1, Table 9-5
JP	4,185,561	Context-Based Adaptive Variable Length Coding	1	3.155, 7.3.5.3.1, 7.4.5.3.2, 9.2, 9.2.1, Table 9-5
JP	4,185,563	Context-Based Adaptive Variable Length Coding	1	3.155, 7.3.5.3.1, 7.4.5.3.2, 9.2, 9.2.1, Table 9-5
JP	4,185,564	Context-Based Adaptive Variable Length Coding	1	3.155, 7.3.5.3.1, 7.4.5.3.2, 9.2, 9.2.1, Table 9-5
JP	4,197,262	Context-Based Adaptive Variable Length Coding	1	3.136, 7.3.3, 7.3.5, 7.3.5.3.2, 7.4.3, 9.3, 9.3.1.1, 9.3.3.2, 9.3.3.2.1.1, Table 9-45
JP	4,197,345	Context-Based Adaptive Variable Length Coding	1	3.136, 7.3.3, 7.3.5, 7.3.5.3.2, 7.4.3, 9.3, 9.3.1.1, 9.3.3.2, 9.3.3.2.1.1, Table 9-45
JP	3,756,475	Deblocking filtering	1	3.14, 3.37, 3.38, 3.121, 3.136, 7.3.2.2, 7.3.3, 7.4.2.2, 7.4.3, 8.7
JP	3,769,534	Deblocking filtering	1	3.37, 3.102, 7.4.3, 8.7, 8.7.2, 8.7.2.2, Fig. 8-10, Table 8-16
JP	4,009,650	Deblocking filtering	1	8.7, 8.7.2.1, Fig. 8-10
JP	2,728,619	Deblocking filtering	7	7.4.3, 8.7, 8.7.2, 8.7.2.3
JP	3,664,626	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4
JP	3,688,248	Deblocking filtering	3	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-11
JP	3,688,283	Deblocking filtering	3	8.7, 8.7.1, 8.7.2.1, Figs. 8-10, 8-11
JP	3,688,288	Deblocking filtering	2	8.7, 8.7.1, 8.7.2.1, Figs. 8-10, 8-11
JP	3,714,944	Deblocking filtering	2	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-11
JP	4,120,989	Deblocking filtering	2	3.98, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11
JP	3,710,464	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4
JP	3,513,148	Decoder buffer conformance	3	3.38, 3.62, 7.3.3.3, C, C.2, C.4.4, Fig. C-2, Table 7-1
JP	3,534,742	Decoder buffer conformance	1	3.38, C, C.1, C.1.2, C.2, C.2.2, D, D.1, D.1.2, Fig. C-2, Table 7-1
JP	3,162,110	Delay Parameter	1	C, C.1.1, C.1.2, Fig. C-2
JP	3,824,268	Deriving motion vectors	1	8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3

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(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	3,884,472	Deriving motion vectors	3	8.2.1, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 8-6
JP	3,958,690	Direct mode	1	8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
JP	4,020,789	Direct mode	1	8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
JP	4,216,852	Direct mode	1	8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 8-6, 8-8
JP	3,878,591	Direct mode	3	3.104, 8.2.1, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2
JP	2,746,749	Field biprediction	25	3.37, 3.48, 3.127, 8.4, 8.4.2, 8.4.2.1, 8.4.2.2, 8.4.2.2.1, 8.4.2.3, 8.4.2.3.1, 8.4.2.3.2, 8.5, 8.5.1
JP	3,174,586	Hierarchical picture coding types	1	3.6, 3.55, 3.89, 7.3.2, 7.3.5, 7.3.5.3, 7.4.2.4, 7.4.5, Tables 7-2, 7-7
JP	4,275,719	IDR picture	1	3.62, 3.63, 3.66, 3.97, 3.102, 3.121, 7.3.1, 7.4.1, 8.2.1.3, 8.2.5, C.4.4, Table 7-1
JP	4,260,786	Inter prediction	2	0.6.1, 3.124, 7.4.3.3, 7.4.5.1, 8.4, 8.4.1.3, 8.4.2, 8.4.2.1, Tables 7-8, 7-9
JP	4,326,758	Inter prediction	1	0.6.3, 3.114, 6.4.2, 7.3.5.1, 7.4.5, 7.4.5.1, 8.4, 8.4.1, 8.4.2, 8.4.2.3.1, Fig. 6-9, Table 7-13, 7-14
JP	3,277,116	Inter prediction	5	3.38, 3.85, 3.98, 3.127, 7.4.5, 8.4.2, Tables 7-13, 7-17
JP	3,735,244	Intra prediction	1	3.136, 6.4.3, 8.3.1.1, 8.3.1.2, 8.3.1.2.4, Fig. 6-10, Table 8.2
JP	3,734,492	Intra prediction	3	6.4.8.3, 8.3.1.1, 8.3.1.2.1, 8.3.1.2.2, 8.3.1.2.3, Table 8-2
JP	3,734,494	Intra prediction	3	6.4.8.3, 8.3.1.1, 8.3.1.2.4, 8.3.1.2.5, 8.3.1.2.6, 8.3.1.2.7, Fig. 8-1, Table 8-2
JP	4,133,346	Intra prediction modes	1	3.65, 3.68, 3.77, 6.4.8, 7.3.2.2, 7.4.2.2, 8.3.1, 8.3.3, Fig. 6-12
JP	2,665,127	Motion compensated prediction	9	7.3.5.1, 7.3.5.3, 7.4.5.1, 8.3.2.3, 8.4.2, 8.4.2.1, 8.4.2.2, 8.5.1, 8.5.2, 8.5.3
JP	4,114,859	Motion vector prediction	1	3.85, 6.4.8, 8.4.1, 8.4.1.1, 8.4.1.2, 8.4.1.3, 8.4.1.3.1, Fig. 6-14
JP	4,130,783	Motion vector prediction	1	6.4.8, 7.3.5.1, 7.3.5.2, 8.2.1.3, 8.4.1, 8.4.1.3, 8.4.1.3.1
JP	4,150,742	Motion vector prediction	1	3.85, 6.4.8, 8.4.1, 8.4.1.1, 8.4.1.2, 8.4.1.3, 8.4.1.3.1, Fig. 6-14
JP	3,579,013	Motion vector prediction	4	6.4.1, 6.4.2, 8.4, 8.4.1.3.1, 8.4.1.3.2, Fig. 6-9
JP	3,631,488	NAL unit syntax	1	3.2.1, 3.87, 3.114, 3.115, 3.143, 3.144, 7.3.1, 7.3.2.11, 7.4.1, B, B.1.1
JP	3,657,954	NAL unit syntax	1	3.21, 3.87, 3.114, 3.115, 3.143, 3.144, 7.3.1, 7.3.2.11, 7.4.1, B, B.1.1

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	3,657,955	NAL unit syntax	1	3.21, 3.87, 3.114, 3.115, 3.143, 3.144, 7.3.1, 7.3.2.11, 7.4.1, B, B.1.1
JP	3,657,956	NAL unit syntax	1	3.21, 3.87, 3.114, 3.115, 3.143, 3.144, 7.3.1, 7.3.2.11, 7.4.1, B, B.1.1
JP	3,657,957	NAL unit syntax	1	3.21, 3.87, 3.114, 3.115, 3.143, 3.144, 7.3.1, 7.3.2.11, 7.4.1, B, B.1.1
JP	3,657,965	NAL unit syntax	1	3.1, 3.21, 3.87, 3.114, 3.143, 7.3.1, 7.4.1, B, B.1.1, B.1.2
JP	3,657,967	NAL unit syntax	2	3.2.1, 3.87, 3.114, 3.115, 3.143, 3.144, 7.3.1, 7.3.2.11, 7.4.1, B, B.1.1
JP	3,657,968	NAL unit syntax	2	3.21, 3.87, 3.114, 3.115, 3.143, 3.144, 7.3.1, 7.3.2.11, 7.4.1, B, B.1.1
JP	3,657,969	NAL unit syntax	2	3.21, 3.87, 3.114, 3.115, 3.143, 3.144, 7.3.1, 7.3.2.11, 7.4.1, B, B.1.1
JP	3,657,970	NAL unit syntax	2	3.21, 3.87, 3.114, 3.115, 3.143, 3.144, 7.3.1, 7.3.2.11, 7.4.1, B, B.1.1
JP	3,657,978	NAL unit syntax	2	3.1, 3.21, 3.87, 3.114, 3.143, 7.3.1, 7.4.1, B, B.1.1, B.1.2
JP	3,191,935	Picture cropping	10	6.2, 7.4.2, 7.4.2.1, C.2.2
JP	3,303,869	Picture cropping	11	6.2, 7.4.2, 7.4.2.1, C.2.2
JP	1,869,940*	Picture prediction and coded block pattern	1	0.6.1, 6.4, 7.4.5, 9.3.2.6, Table 7-15
JP	4,142,929	Reference picture marking	1	3.63, 3.64, 3.68, 3.100, 3.102, 3.121, 7.3.1, 7.4.1, 8.2.1.3, 8.2.5, C.4.4, Table 7-1
JP	3,347,954	Reference picture selection	2	0.6.3, 3.112, 6.4.2, 7.3.5.1, 7.4.5.1, 8.4, 8.4.1, 8.4.2
JP	3,678,365	Scaling	2	8.5.7, 8.5.8
JP	3,862,725	Scaling	2	8.5.7, 8.5.10
JP	3,964,765	Scaling and transformation	1	7.3.5, 7.3.5.3, 7.4.5, 7.4.5.3, 8.5, 8.5.10
JP	3,964,925	Scaling and transformation	1	7.3.5, 7.3.5.3, 7.4.5, 7.4.5.3, 8.5, 8.5.7, 8.5.10
JP	4,030,558	Scaling and transformation	3	8.5.7, 8.5.10
JP	3,702,178	Scaling and transformation	2	7.3.2.1, 7.3.2.1.1, 7.4.2.1, 8.4, 8.5.10
JP	4,067,558	Scaling and transformation	3	8.5.7, 8.5.10
JP	3,234,807	Scaling matrix	1	3.71, 3.111, 3.128, 7.3.2.1.1, 7.3.2.2, 7.3.3, 7.3.5, 7.3.5.3.1, 7.4.2.1.1, 7.4.3, 7.4.5, 8.5.5, 8.5.7, 8.5.10, 9.2.4, Fig. 8-8

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	3,369,422	Scanning pattern	1	3.47, 3.70, 3.118, 3.144, 3.145, 6.4.2, 7.3.4, 7.4.2.1, 7.4.4, 8.5.4, 9.2.1, 9.2.2, 9.2.3, 9.2.4, Fig. 8-8
JP	3,442,028	Scanning pattern	1	3.47, 3.70, 3.118, 3.144, 3.145, 6.4.2, 7.3.4, 7.4.2.1, 7.4.4, 8.5.4, 9.2.1, 9.2.2, 9.2.3, 9.2.4, Fig. 8-8
JP	2,794,899	Slice format	1	3.53, 3.59, 3.98, 3.102, 3.136, 3.140, 7.4.3
JP	4,125,739	Slice format	1	3.136, 7.2, 7.3.3, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.3.5.3.2, 7.4.2.2
JP	3,280,999	Timing Codes	1	3.1, 3.14, 3.87, 7.3.1, 7.3.2.3, D, D.1.2, D.2.2
JP	3,679,083	Transform decoding luma blocks	2	7.4.5.3.1, 8.5.1, 8.5.3
JP	2,791,822	Variable length coding	1	3.21, 3.68, 8.5.2, 8.5.3, 8.5.4, 8.5.6, 8.5.7, 8.5.8
JP	4,199,973	Video usability symantics	1	C, C.3, C.4, E, E.2.2, Fig. C-2
JP	2,951,861*	VLC selection	3	7.4.5, 9.1.2, Tables 9-2, 9-4
JP	4,102,841	Weighted sample prediction	2	3.4, 3.8, 3.72, 7.3.2.2, 7.3.3, 7.3.3.2, 7.3.5.1, 7.3.5.2, 7.4.2.2, 7.4.3, 7.4.3.2, 7.4.5.1, 7.4.5.2, 8.2.4.2.1, 8.2.4.2.2, 8.4.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, Table 7-13
JP	4,159,400	Weighted sample prediction	2	3.72, 7.3.2.2, 7.3.3, 7.3.3.2, 7.4.2.2, 7.4.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,178,088	Weighted sample prediction	1	7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1, 8.5.3, 8.5.8 to 8.5.12
JP	4,015,934	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.8
JP	4,127,713	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.8
JP	4,127,714	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.8
JP	4,127,715	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.8
JP	4,127,716	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.8
JP	4,127,717	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.8
JP	4,127,718	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.8
JP	4,208,913	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	4,208,945	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,208,946	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,208,947	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5.1, 7.3.5.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,208,952	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,208,953	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,208,954	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,208,955	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,213,766	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,227,162	Weighted sample prediction	1	7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1, 8.5.3, 8.5.8 to 8.5.12
JP	4,227,163	Weighted sample prediction	1	7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1, 8.5.3, 8.5.8 to 8.5.12
JP	4,227,164	Weighted sample prediction	1	7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1, 8.5.3, 8.5.8 to 8.5.12
JP	4,227,165	Weighted sample prediction	1	7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1, 8.5.3, 8.5.8 to 8.5.12
JP	4,227,166	Weighted sample prediction	1	7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1, 8.5.3, 8.5.8 to 8.5.12
JP	4,227,167	Weighted sample prediction	1	7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1, 8.5.3, 8.5.8 to 8.5.12
JP	4,227,168	Weighted sample prediction	1	7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1, 8.5.3, 8.5.8 to 8.5.12
JP	4,227,188	Weighted sample prediction	1	7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1, 8.5.3, 8.5.8 to 8.5.12
JP	4,234,780	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,234,781	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	4,234,782	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,234,783	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,234,784	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,247,304	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,247,305	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,247,306	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,256,455	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,256,456	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,256,457	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,256,458	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,256,459	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,256,460	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,256,461	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,256,462	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,256,465	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,282,752	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,282,753	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,282,754	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,282,755	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	4,282,756	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,282,757	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,282,758	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,307,522	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2
JP	4,307,523	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2
JP	4,307,524	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2
JP	4,307,525	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2
JP	4,307,526	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,527	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,528	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,529	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,530	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,307,531	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,532	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,534	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,535	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,536	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,537	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,307,538	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,307,539	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,309,469	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	4,320,366	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,320,367	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.8
JP	4,320,368	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2
JP	4,320,369	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,320,370	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.8
JP	4,320,371	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2
JP	4,331,259	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,338,771	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,338,772	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,338,773	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,338,774	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,338,775	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,338,776	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,338,777	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,338,778	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,755	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,756	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,355,757	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.4, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,758	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,759	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	4,355,760	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,355,761	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,762	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,763	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,355,764	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,765	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,766	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,355,767	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,768	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,769	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,355,770	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,355,771	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,376,301	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,376,302	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,376,303	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,376,304	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,376,305	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.3.5.3, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.3, 8.5.8 to 8.5.12
JP	4,376,306	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,376,307	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.5.1 to 8.5.12
JP	4,376,308	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.12

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
JP	4,376,309	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,376,310	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.12
JP	4,376,311	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.12
JP	4,376,312	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	4,376,313	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.12
JP	4,376,314	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5.1 to 8.5.12
JP	4,376,315	Weighted sample prediction	1	7.3.3, 7.3.3.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.4.3.2, 7.4.5.1, 8.4.2.3, 8.4.2.3.2, 8.4.3
JP	3,866,628	Inter prediction	7	3.66, 8.4, C.2, C.2.2
JP	2,938,412	Weighted sample prediction	11	8.4.2.3.2, 8.5.1
KR	174,441	Adaptive block/sub-block motion compensation	1	6.4.2, 8.4.1, C.2, Fig. 6-9
KR	114,697	Adaptive frame/field decoding	1, 40	0.6.2, 3.27, 3.41, 3.47, 3.69, 3.76, 3.153, 6.3, 7.4.4, 8.5.12, A.2.1
KR	733,795	Arithmetic Decoding	40	5.4, 9.3.1.1, 9.3.3.2, 9.3.3.2.1, Fig. 9-3, Table 9-44
KR	491,530	Bipredictive motion compensation	1	7.4.5, 7.4.5.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 7-18, 8-6
KR	494,828	Bipredictive motion compensation	1	8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
KR	494,829	Bipredictive motion compensation	1	8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
KR	494,830	Bipredictive motion compensation	1	8.4.1.2.1, 8.4.1.2.3
KR	494,831	Bipredictive motion compensation	1	8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
KR	506,864	Bipredictive motion compensation	38	8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
KR	506,865	Bipredictive motion compensation	1	8.4.1.2.1, 8.4.1.2.3
KR	507,917	Bipredictive motion compensation	1	8.2.5, 8.4.1.2.1, 8.4.1.2.3, C.4.1
KR	508,798	Bipredictive motion compensation	13	8.4.2.3, 8.4.2.3.2
KR	508,799	Bipredictive motion compensation	1	8.2.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2
KR	508,800	Bipredictive motion compensation	1	8.4.2.3, 8.4.2.3.2
KR	788,567	Chrominance motion vectors	1	6.2, 8.4.1.4, A.2.1, Tables 6-2, 8-10

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
KR	788,569	Chrominance motion vectors	1	6.2, 8.4.1.4, A.2.1, Tables 6-1, 8-10
KR	788,570	Chrominance motion vectors	1	6.2, 7.4.2.1.1, 8.4.1.4, A.2.1, A.2.2, A.2.3, Tables 6-1, 8-10
KR	354,799	Coding mode information	7	6.4.8.3, 7.3.5.1, 8.3.1.1, 8.3.1.2
KR	425,613	Coding mode information	1	6.4.5, 6.4.6, 6.4.8.3, 7.3.5.1, 8.3.1.18.3.1.2, Fig. 6-12, Table 8-2
KR	729,270	Context-based Adaptive Binary Arithmetic Coding	1	7.1, 7.2, 7.3.5.3.3, 7.4.5.3, 7.4.5.3.3, 9.3, 9.3.3
KR	740,381	Context-based Adaptive Binary Arithmetic Coding	10	7.3.1, 7.3.3, 7.4.1, 7.4.3, 9.3, 9.3.1, 9.3.1.1, 9.3.3.2.1, 9.3.3.2.1.1, A.2, Fig. 9-3, Table 7-1
KR	701,810	Context-based Adaptive Binary Arithmetic Coding	2	7.3.3, 7.4.3, 9.3, 9.3.1.1, 9.3.3.2.1, A.2.1, A.2.3
KR	335,622	Context-based Adaptive Binary Arithmetic Coding	3	3.41, 3.43, 3.48, 3.49, 7.3.5.3.3, 7.4.5.3, 7.4.5.3.1, 7.4.5.3.3, 8.5.1, 8.5.11.1, 8.5.11.2, 9.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Table 9-42
KR	359,093	Data partitioning	25	7.4.2.9, 8.2.3, 9
KR	229,783	Deblocking filtering	1	8.7, 8.7.1, 8.7.2.3, 8.7.2.4, Fig. 8-11
KR	237,636	Deblocking filtering	1	8.7, 8.7.1, 8.7.2, 8.7.2.2
KR	251,549	Deblocking filtering	1	8.5, 8.7, 8.7.2.3, 8.7.2.4, Fig. 8-10
KR	505,319	Deblocking filtering	1	3.154, 8.7.2.1, Fig. 8-11
KR	505,320	Deblocking filtering	1	8.7, 8.7.2.1, Fig. 8-11
KR	523,551	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10
KR	525,785	Deblocking filtering	8	8.7, 8.7.2, 8.7.2.2, Fig. 8-10
KR	602,149	Deblocking filtering	5	8.7, 8.7.1, 8.7.2, 8.7.2.2, Fig. 8-11
KR	626,234	Deblocking filtering	1	3.154, 8.7, 8.7.2, 8.7.2.1, 8.7.2.2, Fig. 8-11
KR	626,235	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, Fig. 8-11
KR	640,937	Deblocking filtering	1	8.7, 8.7.1, 8.7.2, 8.7.2.2, Fig. 8-11
KR	674,027	Deblocking filtering	1	3.154, 8.7, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-11
KR	687,845	Deblocking filtering	1	3.154, 8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-11, Table 8-16
KR	721,022	Deblocking filtering	1	3.154, 8.5.7, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11, Table 8-16
KR	748,512	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11, Table 8-16

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
KR	850,947	Deblocking filtering	1	8.7, 8.7.1, 8.7.2, 8.7.2.2, 8.7.2.3, Fig. 8-11
KR	886,192	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.2
KR	656,296	Deblocking filtering	1	3.38, 3.59, 3.64, 3.67, 3.98, 3.121, 8, 8.4, 8.4.2.1, 8.4.2.2, 8.5, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, Table 8-17
KR	801,385	Deblocking filtering	1	3.38, 3.121, 7.4.3, 8, 8.4.2.1, 8.5, 8.7
KR	804,902	Deblocking filtering	1	3.38, 3.46, 3.47, 3.59, 3.63, 3.64, 3.67, 3.98, 3.121, 7.4.1, 8, 8.4.2.1, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, Table 8-17
KR	148,130	Deblocking filtering	6	7.4.3, 8.5.10, 8.5.11, 8.7, 8.7.2.2, 8.7.2.3, Tables 8-16, 8-17
KR	147,549	Deblocking filtering	1	8.7, Fig. 8-10
KR	152,017	Deblocking filtering	14	7.3.3, 7.4.3, 8.5.10, 8.5.11, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Tables 8-16, 8-17
KR	162,196	Deblocking filtering	1	7.4.5, 8.5.10, 8.5.11, 8.7, 8.7.2.2, 8.7.2.3, 8.7.2.4, 9, 9.1, 9.2, 9.3, Table 8-16
KR	178,711	Deblocking filtering	5	8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11, Table 8-6
KR	205,293	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-11
KR	301,013	Deblocking filtering	1	8.7, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11
KR	304,660	Deblocking filtering	1	3.48, 3.49, 7.3.5.1, 7.4.5.1, 7.4.5.3, 7.4.5.3.1, 8.4, 8.4.2.1, 8.4.2.2, 8.4.2.3, 8.5.1, 8.5.13, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, Table 8-16
KR	584,549	Deblocking filtering	2	8.7, 8.5.10, 8.5.11, 8.7.2, 8.7.2.1, 8.7.2.2
KR	605,290	Deblocking filtering	17	8.7, 8.5.10, 8.5.11, 8.7.2, 8.7.2.1, 8.7.2.2
KR	708,202	Deblocking filtering	1	3.154, 8.7, 8.7.2.1, 8.7.2.3
KR	612,785	Deblocking filtering	5	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, Fig. 8-10
KR	751,670	Deblocking filtering	2	8.7, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-11, Table 8-17
KR	785,588	Deblocking filtering	11	7.4.5, 8.7, 8.7.2, 8.7.2.1, Tables 7-11, 7-12, 7-13, 7-14
KR	785,589	Deblocking filtering	9	3.66, 3.71, 8, 8.4, 8.4.2.1, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, Table 8-17
KR	583,552	Decoder buffer conformance	18	3.38, 3.59, 3.62, 3.134, 7.3.2.8, 7.3.3, 7.3.3.3, 7.3.4, 7.3.5, 7.3.5.3, 7.4.2.8, 7.4.3.3, 7.4.5.3, 8, 8.5, C, C.2, C.2.3, C.2.4, C.2.4.1, C.2.4.2
KR	603,175	Decoder buffer conformance	4	3.43, C, C.1.2, C.2.2, C.4, D.1.2, D.2.2, Fig. C-2
KR	239,837	Delay Parameter	1	3.14, 3.47, C, C.1, C.1.1, C.1.2, C.4, C.4.1, C.4.3, Fig. C-2
KR	864,790	Deriving luma motion vectors	1	5.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
KR	864,791	Deriving luma motion vectors	1	5.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
KR	865,034	Deriving luma motion vectors	1	8.2.1, 8.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, A.2.1, A.2.2, A.2.3
KR	883,025	Deriving luma motion vectors	1	3.106, 8.2.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, A.2, A.2.1, A.2.2, A.2.3, Table 8-6
KR	890,504	Deriving luma motion vectors	1	3.106, 8.2.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, A.2, A.2.1, A.2.2, A.2.3, Table 8-6
KR	890,505	Deriving luma motion vectors	1	3.106, 8.2.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, A.2, A.2.1, A.2.2, A.2.3, Table 8-6
KR	890,514	Deriving luma motion vectors	1	3.106, 8.2.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, A.2, A.2.1, A.2.2, A.2.3, Table 8-6
KR	865,039	Direct mode	1	7.3.3.3, 7.4.3.3, 8.2.4, 8.2.4.2.3, 8.2.4.2.4, 8.2.5, 8.2.5.1, 8.2.5.3, 8.2.5.4.6, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2, Tables 7-8, 8-6
KR	901,642	Direct mode	1	7.4.3.3, 8.2.5, 8.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2, C.4.1
KR	901,643	Direct mode	1	8.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2
KR	375,345	Entropy coding mode	1	7.4.2.2, 8, 9.1, 9.2, 9.3
KR	260,475	Field/frame prediction selection	7	3.14, 3.55, 6.2, 7.3.2.1, 7.3.2.1.1, 7.4.2.1.1, 8.2.2, 8.2.2.8, 8.4.1.2.2, 8.4.1.2.3, Fig. 6-2
KR	617,598	Fractional sample interpolation	1	6.4.2, 8.4.2.2, 8.4.2.2.1, Figs. 6-9, 8-4
KR	766,657	IDR picture	1	1, 3.49, 3.61, 3.64, 3.65, 3.66, 3.68, 3.69, 7.3.1, 7.4.1, 8.2.5, 8.2.5.1, Table 7-1
KR	796,107	IDR picture	1	1, 3.49, 3.61, 3.64, 3.65, 3.66, 3.68, 3.69, 7.3.1, 7.4.1, 8.2.5, 8.2.5.1, Table 7-1
KR	799,412	IDR picture	1	1, 3.64, 3.65, 3.66, 3.68, 3.69, 7.3.1, 7.4.1, 8, 8.2.5, 8.2.5.1, Table 7-1
KR	166,716	Intra prediction	7	7.4.5, 7.4.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.2, 8.5.1, 8.5.3, Tables 7-11, 8-2, 8-3
KR	685,264	Intra prediction	30	6.4.8.3, 7.3.5.1, 7.4.5.1, 8.3, 8.3.1.1, 8.3.2.1
KR	820,132	Intra prediction	3	6.4.10.4, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.4, 8.3.1.2.4, 8.3.1.2.5, 8.3.1.2.6, 8.3.1.2.7, Table 8-2, Fig. 8-1
KR	754,972	Intra prediction modes	14	6.4.10.4, 7.3.5.1, 8.3, 8.3.1, 8.3.1.1, Table 8-2
KR	813,989	Inverse scanning	4	3.49, 3.54, 3.76, 7.3.3, 7.3.4, 7.4.2.1, 7.4.2.2, 7.4.3, 7.4.4, 7.4.5.3, 8.5, 8.5.5, 8.5.6, 8.5.8, 8.5.9, 8.5.10, 8.5.11, A.2, Tables 8-13, 8-14
KR	846,778	Inverse scanning	14	7.3.4, 7.4.2.2, 7.4.4, 7.4.5.3, 8.5, 8.5.5, 8.5.6, 8.5.8, 8.5.9, 8.5.10, 8.5.11, A.2, Tables 8-13, 8-14
KR	506,866	Luma motion vector prediction	1	8.4.1.1, 8.4.1.3, 8.4.1.3.1

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(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
KR	655,546	Luma motion vector prediction	4	8.4.1.1, 8.4.1.3, 8.4.1.3.1, Fig. 8-3
KR	757,829	Luma motion vector prediction	1	8.4, 8.4.2, 8.4.2.2, 8.4.2.2.1, 8.5, 8.5.1, 8.5.3, Fig. 8-4
KR	757,830	Luma motion vector prediction	1	8.4, 8.4.2, 8.4.2.2, 8.4.2.2.1, 8.5, 8.5.1, 8.5.3, Fig. 8-4
KR	757,831	Luma motion vector prediction	1	8.4, 8.4.2, 8.4.2.2, 8.4.2.2.1, 8.5, 8.5.1, 8.5.3, Fig. 8-4
KR	757,832	Luma motion vector prediction	1	7.3.5.3, 7.3.5.3.1, 7.4.5.3, 7.4.3.5.1, 8.4, 8.4.2, 8.4.2.2, 8.4.2.2.1, 8.5, 8.5.1, 8.5.3, 8.5.10, 8.5.11, 9.2, Fig. 8-4
KR	313,870	Motion vector prediction	1	6.4.1, 6.4.2, 8.4, 8.4.1.3.1, 8.4.1.3.2, Fig. 6-9, Tables 7-13, 7-17
KR	460,970	NAL unit syntax	10	3.87, 3.114, 7.3.1, 7.4.1, 7.4.1.2, Fig. 7-1, Table 7-1
KR	685,771	NAL unit syntax	1	3.20, 3.21, 3.87, 3.114, 3.143, 3.144, 7.3.2.11, 7.3.5.3.1, 7.4.1, 7.4.2.11, B.1.1
KR	685,772	NAL unit syntax	1	3.20, 3.21, 3.87, 3.114, 3.143, 3.144, 7.3.2.11, 7.3.5.3.1, 7.4.1, 7.4.2.11, 8.5, 9.2, B.1.1. B.2
KR	148,226	Quantization parameter	3	3.111, 7.3.5, 7.4.5, 8.5.10, 9.1, 9.1.1, Table 9-3
KR	132,895	Quantizer selection	3	7.4.5, 8, 8.5.7, 8.5.8, 8.5.9, 8.5.10, Table 7-11
KR	693,669	Reference picture selection	18	8.4.2.1, A.2, A.2.1
KR	693,670	Reference picture selection	1	8.4.2.1, A.2, A.2.1
KR	693,671	Reference picture selection	1	8.4.2.1, A.2, A.2.1
KR	857,383	Reference picture selection	1	8.2.4, 8.2.4.2.3, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	857,384	Reference picture selection	1	8.2.4, 8.2.4.2.3, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	857,385	Reference picture selection	1	8.2.4, 8.2.4.2.3, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2, A.2
KR	881,554	Reference picture selection	1	8.2.4, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,555	Reference picture selection	1	8.2.4, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,556	Reference picture selection	1	8.2.4, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,557	Reference picture selection	1	8.2.4, 8.2.4.2, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,558	Reference picture selection	1	8.2.4, 8.2.4.2, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,565	Reference picture selection	1	8.2.4, 8.2.4.2, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,566	Reference picture selection	1	8.2.4, 8.2.4.2.3, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
KR	881,567	Reference picture selection	1	8.2.4, 8.2.4.2.3, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,568	Reference picture selection	1	8.2.4, 8.2.4.2.3, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,569	Reference picture selection	1	8.2.4, 8.2.4.2.3, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,570	Reference picture selection	1	8.2.4, 8.2.4.2.3, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	881,571	Reference picture selection	1	8.2.4, 8.2.4.2.3, 8.2.4.3, 8.2.4.3.1, 8.2.4.3.2, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.4.2.2
KR	591,653	Scaling	27	3.154, 5.1, 5.4, 8.5.7, 8.5.10,
KR	839,308	Scaling and transformation	1	8.5, 8.5.11.1, 8.5.11.2
KR	839,309	Scaling and transformation	1	8.5, 8.5.1, 8.5.8, 8.5.11.1, 8.5.11.2
KR	839,311	Scaling and transformation	21	8.5, 8.5.11.1, 8.5.11.2
KR	584,552	Scaling and transformation	11	7.3.2.2, 7.3.5, 7.4.2.1, 7.4.2.2, 7.4.5, 8.5.7, 8.5.10, 8.5.11, 9, Tables 7-2, 7-3, 7-4, 7-11
KR	584,622	Scaling and transformation	1	7.3.2.2, 7.3.5, 7.4.2.1, 7.4.2.2, 7.4.5, 8.5.7, 8.5.10, 8.5.11, 9.2, 9.3, Tables 7-2, 7-3, 7-4, 7-11
KR	622,305	Scaling and transformation	1	6.1, 7.3.5, 7.4.2.1, 7.4.5, 8.5.7, 8.5.10, 8.5.11, 9.2, 9.3, Tables 7-2, 7-3, 7-4
KR	622,306	Scaling and transformation	1	6.1, 7.3.5, 7.4.2.1, 7.4.5, 8.5.7, 8.5.10, 8.5.11, 9.2, 9.3, Tables 7-2, 7-3, 7-4
KR	811,986	Scaling and transformation	2	3.113, 8.5.8, 8.5.11.1
KR	880,305	Scaling and transformation	1	3.41, 3.43, 8.5.8, 8.5.11.1, 8.5.11.2
KR	736,503	Slice format	1	7.2, 7.3.2.8, 7.3.2.9, 7.3.3, 7.3.4, 7.3.5, 7.4.1, 8.2, A.2, Table 7-1
KR	353,851	Slice group map	11	7.3.2.2, 7.4.2.2, 8.2.4, 8.2.2.4
KR	884,134	Timing SEI messages	88	3.14, 3.43, 7.4.1, 8, A.2, A.2.1, A.2.2, A.2.3, A.2.4, A.2.5, A.2.6, D, D.1.2, D.2.2, E.2.1, Table 7-1
KR	103,834	Transform selection	4	7.4.5, 8.6.2, 8.6.2.1, 8.6.2.2, 8.6.2.3, Table 7-10
KR	619,716	Weighted sample prediction	1	3.104, 8.2.1, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, A.2.1
KR	578,432	Weighted sample prediction	18	7.3.2.2, 7.3.3, 7.3.3.2, 7.4.2.2, 7.4.3.2, 8.4.2.3, 8.4.2.3.2

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
LI	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
LI	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
LI	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
LI	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
LI	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
LI	1,452,039	Deblocking filtering	1	0.2, 3.15, 3.77, 3.104, 3.113, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8 10, Table 8-16
LI	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
LI	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
LI	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
LI	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
LU	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
LU	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
MC	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
NL	1,022,332	Bipredictive motion compensation	13	8, 8.2.1, 8.2.4, 8.2.4.2, 8.2.4.2.3, 8.2.4.2.4, 8.2.4.3, 8.4, 8.4.1, 8.4.1.2.3
NL	0279053*	Block based intra/inter selection	1	0.2, 0.5, 0.6.1, 0.6.3, 0.6.4, 3.1, 3.66, 3.67, 3.121, 7.4.2.4, 7.4.3.3, 7.4.5, 8, 8.2.4.2.5, 8.3, 8.3.1, 8.3.1.2.3, 8.4, 8.4.1, A.2.1, C.2.2, Tables 7-5, 7-10
NL	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
NL	1,765,018	Coding level syntax	1	3.43, 3.55, 3.56, 3.77, 3.104, 7.3.2.1, 7.4.2.1.1, A.2.1, A.2.2, A.2.3, A.2.4, A.2.5, A.2.6, A.2.7, A.3.1, A.3.2, C.2, C.2.4.1, C.4, C.4.5.1, C.4.5.3, Table A-1

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
NL	1,742,482	Context based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
NL	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
NL	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
NL	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
NL	1,401,213	Context-Based Adaptive Binary Arithmetic Coding	1	3.15, 3.41, 3.153, 3.158, 4, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.5.3, 7.4.5.3.2, 8.5.1, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 9-1, Tables 9-12 to 9-23, 9-31, 9-35
NL	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
NL	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
NL	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
NL	1,424,856	Context-Based Adaptive Variable Length Coding	1	3.14, 3.15, 3.41, 3.153, 3.158, 5.4, 7.3.5.3.1, 7.4.5.3, 8.5, 8.5.1, 8.5.4, 8.5.8, 8.5.10, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-6
NL	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
NL	1,387,585	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
NL	1,452,039	Deblocking filtering	1	0.2, 3.15, 3.77, 3.104, 3.113, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Fig. 8-10, Table 8-16
NL	1,515,567	Deblocking filtering	1	0.6, 3.12, 3.37, 3.38, 3.59, 3.63, 3.64, 3.75, 3.98, 3.121, 7.4.5, 8, 8.1, 8.7.2
NL	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
NL	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
NL	0460751	Decoding timing control	1	0.2, 3.1, 3.27, 3.41, 3.43, 3.57, 6.1, 7.4.1.2.3, D.1.2, D.2.2, E.2.1, Fig. C-2
NL	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
NL	1,022,331	Direct mode	1	1, 7.4.5, 8.2.5, 8.4.1.2.1, 8.4.1.2.3, C.2, Tables 7-10, 7-14
NL	1,022,333	Direct mode	1	3.39, 3.66, 3.113, 3.114, 7.4.5, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 7-15
NL	1,029,485	Direct mode	1	3.39, 3.66, 3.113, 3.114, 7.4.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 8-5
NL	1,029,486	Direct mode	1	3.39, 3.66, 3.113, 3.114, 7.4.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 8-5
NL	0443676	Hierarchical picture coding types	1	0.2, 3.8, 3.48, 3.53, 3.59, 3.62, 3.63, 3.64, 3.66, 3.67, 3.98, 3.102, 3.134, 7.3.3, 7.4.1, 7.4.3, A.2.1, Table 7-1
NL	573,665	Hierarchical picture coding types	6	3.14, 3.15, 3.25, 3.26, 3.27, 3.50, 3.55, 3.77, 3.142, 6.3, 7.3.1, 7.3.2, 7.3.2.1.1, 7.3.3, 7.4.1, 7.4.2, 7.4.2.1.1
NL	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
NL	1,450,565	Inter prediction	1	3.8, 3.15, 3.27, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2
NL	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
NL	1,739,973	Inter prediction	1	3.8, 3.15, 3.27, 3.64, 3.77, 3.82, 3.111, 3.125, 3.126, 3.138, 7.3.2.2, 7.3.3, 7.3.5.1, 7.3.5.2, 7.4.3, 7.4.5.1, 7.4.5.2
NL	1,510,078	Intra prediction	1	3.37, 3.39, 3.75, 5.8, 6.2, 6.3, 7.2, 7.3.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.1 to 8.3.1.2.9, A.2, Tables 8-2, 8-3
NL	1,499,133	Motion vector prediction	1	0.2, 0.6.2, 3.85, 3.104, 3.108, 7.3.5.1, 7.3.5.2, 7.4.5.1, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.1.3, 8.4, 8.4.1, 8.4.1.3, 8.4.1.3.1
NL	1,496,706	Picture marking syntax	1	3.14, 3.39, 3.40, 3.43, 3.104, 7.3.3, 7.3.3.3, 7.4.1.2.4, 7.4.3, 7.4.3.3, 8.2.5.2, Annex C, C.2.3, Table 7-9
PT	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
PT	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
PT	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
PT	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
PT	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
PT	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
PT	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
PT	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
RO	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
RO	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
RO	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
RO	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
RO	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
RO	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
RO	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
RO	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
RO	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
SE	248,711*	Block skipping/coded block pattern	1	1, 3.27, 3.53, 3.64, 3.69, 3.75, 3.77, 3.85, 3.98, 3.127, 3.135, 6.1, 6.3, 6.4.1, 7.3.4, 7.3.5, 7.3.5.3, 7.4.5, 7.4.5.3, 8.2.1, 8.4, 8.4.1, 8.4.1.1, 8.4.1.2, 8.5, Tables 7-13, 7-14
SE	1,135,934	Coded block pattern	1	3.41, 3.59, 7.2, 7.3, 7.3.5, 7.4.5, 9, 9.1, 9.1.2, A.2, Tables 7-11, 7-15, 9-2, 9-4
SE	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
SE	1,487,113	Context-based Adaptive Binary Arithmetic Coding	1	3.15, 3.153, 7.3.3, 7.3.5.3.2, 7.4, 7.4.5, 7.4.5.3.2
SE	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
SE	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
SE	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
SE	1,596,608	Context-Based Adaptive Variable Length Coding	1	0.2, 3.2, 3.15, 3.36, 3.153, 7.4.2.2, 7.4.5, 7.4.5.3.1, 9.2, 9.2.1, A, Table 9-5
SE	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
SE	1,387,585	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
SE	1,515,567	Deblocking filtering	1	0.6, 3.12, 3.37, 3.38, 3.59, 3.63, 3.64, 3.75, 3.98, 3.121, 7.4.5, 8, 8.1, 8.7.2
SE	1,742,480	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
SE	0460751	Decoding timing control	1	0.2, 3.1, 3.27, 3.41, 3.43, 3.57, 6.1, 7.4.1.2.3, D.1.2, D.2.2, E.2.1, Fig. C-2
SE	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
SE	0443676	Hierarchical picture coding types	1	0.2, 3.8, 3.48, 3.53, 3.59, 3.62, 3.63, 3.64, 3.66, 3.67, 3.98, 3.102, 3.134, 7.3.3, 7.4.1, 7.4.3, A.2.1, Table 7-1
SE	1,359,769	Inter prediction	1	1, 3.136, 3.42, 3.8, 7.4.5, 8.4, 8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.4.2, 8.4.2.3.2, Fig. 9-2
SE	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
SE	1,739,972	Inter prediction	1	3.15, 3.49, 3.55, 3.56, 3.65, 3.66, 3.77, 3.100, 3.104, 3.121, 3.125, 3.138, 3.142, 7.3.3, 7.4.3, 7.4.5.1, 8.2.4, 8.2.4.1, 8.4, 8.4.1, 8.4.2, 8.6
SE	1,496,706	Picture marking syntax	1	3.14, 3.39, 3.40, 3.43, 3.104, 7.3.3, 7.3.3.3, 7.4.1.2.4, 7.4.3, 7.4.3.3, 8.2.5.2, Annex C, C.2.3, Table 7-9
SI	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
SI	1,742,483	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.4
SI	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
SI	1,478,188	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
SI	1,742,479	Decoded picture buffer	1	3.14, 3.40, 3.42, 3.43, 3.65, 3.66, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, C.2.2, C.4.5.2, C.4.5.3
SI	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
SI	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
SK	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
SK	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
TR	1,467,491	Context-based Adaptive Binary Arithmetic Coding	3	3.15, 3.153, 7.3.3, 7.3.4, 7.4.5.3.2, 9.1, 9.3, 9.3.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3.2.3, Tables 9-25, 9-26
TR	1,550,219	Context-based Adaptive Binary Arithmetic Coding	9	3.9, 3.12, 3.151, 7.3.4, 7.3.5, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1, Tables 9-12 to 9-23, 9-44
TR	1,742,484	Context-Based Adaptive Variable Length Coding	1	3, 3.15, 3.128, 3.154, 3.157, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10
TR	200600624T4	Context-Based Adaptive Variable Length Coding	1	3.14, 3.41, 3.153, 3.158, 5.4, 6.4.5, 6.4.8, 6.4.8.1, 6.4.8.3, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5, 8.5.1, 8.5.4, 8.5.5, 8.5.10, 8.5.12, 9.2, 9.2.1, Table 9-5
TR	200502315T4	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.108, 3.136, 3.138, 8, 8.3, 8.4, 8.4.2.1, 8.7, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Tables 7-10, 8-17.
TR	2006 06449 T4	Deblocking filtering	1	0.6, 3.12, 3.37, 3.38, 3.59, 3.63, 3.64, 3.75, 3.98, 3.121, 7.4.5, 8, 8.1, 8.7.2
TR	200808725	Decoded picture buffer	1	3.40, 3.42, 3.43, 3.89, 3.96, 3.123, 7.3.1, 7.4.1, A.3.1, C.2.2, C.4, C.4.1, C.4.4, C.4.5.1, C.4.5.2, C.4.5.3
TR	1,406,453	Direct mode	1	3.120, 3.123, 3.124, 3.42, 3.72, 7.4.5, 8.2.4.2, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Tables 7-14, 8-6
TR	1,406,451	Inter prediction	1, 2	3.14, 3.38, 3.40, 3.41, 3.63, 3.94, 3.121, 4.5.1, 6.64, 7.3.1, 7.4.1, C.3, C.4.5.2
TR	1,499,133	Motion vector prediction	1	0.2, 0.6.2, 3.85, 3.104, 3.108, 7.3.5.1, 7.3.5.2, 7.4.5.1, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.1.3, 8.4, 8.4.1, 8.4.1.3, 8.4.1.3.1

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
TR	200800451	Picture marking syntax	1	3.14, 3.39, 3.40, 3.43, 3.104, 7.3.3, 7.3.3.3, 7.4.1.2.4, 7.4.3, 7.4.3.3, 8.2.5.2, Annex C, C.2.3, Table 7-9
US	6,900,748	Binarization	1	7.2, 7.3.4, 7.3.5, 9.3, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, Fig. 9-1, Table 9-25
US	Re. 34,965*	Biprediction	13	0.6.1, 3.8, 3.41, 3.119, 3.123, 3.124, 3.127, 6.3, 7.3.5, 7.3.5.1, 7.4.5, 8, 8.2.4, 8.2.4.2.3, 8.2.5, 8.2.5.1, 8.4, 8.4.1, 8.4.1.3, 8.4.1.4, 8.4.2, 8.4.2.3, 8.4.2.3.1, 8.4.2.3.2, 8.5, C.2, C.2.2, Table 7-14
US	Re. 35,910	Bipredictive motion compensation	7	0.6.1, 8, 8.2.4.2.3, 8.4, 8.4.2, 8.4.2.3, 8.4.2.3.1, 8.4.2.3.2, 8.5, 8.5.1, C, C.2.2
US	4,796,087*	Block skipping/coded block pattern	1	0.6.2, 0.6.3, 3.75, 6.2, 6.4.2, 7.3.4, 7.3.5, 7.3.5.3, 7.4.5, 7.44, Fig. 6-9, Tables 7-13, 7-14
US	6,563,953	Coded block pattern	17	7.1, 7.3.5.3, 7.3.5.3.1, 7.4.5, 9.1, 9.1.2, Tables 7-11, 7-13, 7-15, 9-4
US	6,735,345	Coded block pattern	17	7.1, 7.3.5.3.1, 7.4.5, 9.1, 9.1.2, Tables 7-11, 7-13, 7-15, 9-4
US	7,289,673	Coded block pattern	1	3.24, 3.39, 3.41, 3.53, 3.59, 3.74, 3.75, 3.98, 3.102, 3.136, 5.1, 6.3, 7.1, 7.3.3, 7.3.5, 7.3.5.3, 7.4.3, 7.4.5, 8, Fig. 6-7, Tables 7-6, 7-10, 7-11, 7-13, 7-15
US	6,608,939	Coding mode information	1	3.14, 3.15, 3.75, 6.1, 6.4.8, 6.4.8.3, 7.3.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, Fig. 8-1, Tables 6-2, 8-2
US	6,658,152	Coding mode information	1	3.14, 3.15, 3.75, 6.4.8, 6.4.8.3, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3, 7.3.5.3.1, 7.3.5.3.2, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 9, 9.2, 9.3, Fig. 8-1, Tables 6-2, 8-2
US	6,681,048	Coding mode information	1	3.14, 3.15, 3.75, 6.1, 6.4.8, 6.4.8.3, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, Fig. 8-1, Tables 6-2, 8-2
US	5,128,758*	Component optimized coding	11	3.24, 3.53, 3.74, 6.2, 8.5.2, 8.5.4, 8.5.5, 8.5.8, 8.5.9, 8.5.10, 8.5.12, Figs. 6-1, 6-2
US	5,179,442*	Component optimized coding	1	0.2, 3.14, 3.24, 3.26, 3.39, 3.41, 3.53, 3.54, 3.74, 3.75, 6.2, 6.3, 8, 8.1, 8.5, 8.5.2, 8.5.4, 8.5.5, 8.5.6, 8.5.8, 8.5.9, 8.5.10, 8.5.12, Figs. 6-1, 6-7, 6-8
US	6,646,578	Context Adaptive Variable Length Coding (CAVLC)	23	3.128, 9.2.1, 9.2.2, 9.2.2.1, 9.2.3, Table 9-6
US	7,599,435	Context-based Adaptive Binary Arithmetic Coding	2	3.3, 3.4, 3.37, 3.50, 3.55, 3.77, 3.78, 3.81, 3.151, 6.3, 6.4.10, 6.4.10.1, 6.4.11.2, 7.3.4, 7.4.4, 9.3, 9.3.3.1, 9.3.3.1.1, 9.3.3.1.1.1, 9.3.3.2, Fig. 6-8, Table 6-4

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
US	6,894,628	Context-based Adaptive Binary Arithmetic Coding	4	6.4.7, 7.2, 7.3.2.2, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.2, 7.3.5.3.2, 7.4.2.2, 9.3, 9.3.1, 9.3.1.1, 9.3.3, 9.3.3.1, 9.3.3.1.1, 9.3.3.1.1.1 to 9.3.3.1.1.9, 9.3.3.1.2, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.2, Tables 9-11 to 9-34
US	7,088,271	Context-based Adaptive Binary Arithmetic Coding	1	3.9, 3.10, 3.11, 3.12, 3.149, 7.2, 7.3.4, 7.3.5, 9.3, 9.3.1.1, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3, 9.3.3.1, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.3, Figs. 9-1, 9-2, 9-3, 9-5, Table 9-25
US	6,943,710	Context-based Adaptive Binary Arithmetic Coding	33	7.2, 7.3.4, 7.3.5, 9.3, 9.3.1.1, 9.3.3.2, 9.3.3.2.1, Figs. 9-2, 9-3, Table 9-35
US	7,286,710	Context-based Adaptive Binary Arithmetic Coding	12	3.14, 3.48, 3.49, 3.50, 3.53, 4, 6.2, 6.3, 6.4.7, 7.2, 7.3.2.2, 7.3.4, 7.3.5, 7.3.5.3.2, 7.4.2.2, 7.4.4, 9.3, 9.3.1.1, 9.3.3, 9.3.3.1, 9.3.3.1.1.2, 9.3.3.1.2, 9.3.3.2, 9.3.3.2.1, Figs. 6-8, 6-13, 9-1, 9-2, 9-11, Tables 9-30, 9-32
US	7,379,608	Context-based Adaptive Binary Arithmetic Coding	12	3.14, 3.48, 3.49, 3.50, 3.51, 3.53, 3.54, 3.55, 3.75, 3.76, 3.79, 3.158, 6.2, 6.3, 7.2, 7.3.2.2, 7.3.4, 7.3.5.3.2, 7.4.4, 7.4.5.3.2, 8.5.5, 9.3, 9.3.1.1, 9.3.2, 9.3.3.1, 9.3.3.1.3, 9.3.3.2, 9.3.3.2.1, Figs. 6-8, 8-8, 9-1, 9-2, Tables 9-11, 9-25, 9-33
US	7,496,143	Context-based Adaptive Binary Arithmetic Coding	5	3.15, 3.155, 3.161, 7.2, 7.3.4, 7.3.5, 7.3.5.3.3, 7.4.2.2, 7.4.5.3.3, 9.3, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.3, 9.3.3.1, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.3, A.2.1, A.2.3, Figs. 9-1, 9-2, 9-3, 9-5, Table 9-34
US	7,095,344	Context-based Adaptive Binary Arithmetic Coding	1	3.136, 3.138, 6.3, 7.3.3, 7.3.4, 7.3.5, 7.4.1, 8.1, 8.2, 9.3, 9.3.1, 9.3.1.1, 9.3.3.2, Figs. 6-7, 9-1, 9-2, Tables 7-1, 9-11 to 9-24
US	7,388,526	Context-based Adaptive Binary Arithmetic Coding	1	3.136, 3.138, 6.3, 7.3.1, 7.3.3, 7.4.1, 8.1, 8.2, 9.3, 9.3.1, 9.3.1.1, 9.3.3.2, 9.3.3.2.1.1, Figs. 6-7, 9-1, 9-2, 9-3, Tables 7-1, 9-11
US	7,408,488	Context-based Adaptive Binary Arithmetic Coding	1	3.136, 3.138, 6.3, 7.3.3, 7.4.1, 8.1, 8.2, 9.3, 9.3.1, 9.3.1.1, 9.3.3.1, 9.3.3.2, 9.3.3.2.1.1 Figs. 6-7, 9-1, 9-3, Tables 7-1, 9-11
US	7,518,537	Context-based Adaptive Binary Arithmetic Coding	1	3.138, 3.140, 6.3, 7.3.1, 7.3.3, 7.4.1, 8.1, 8.2, 9.3, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.3.2, 9.3.3.2.1.1, Figs. 6-7, 9-1, 9-2, 9-3, Tables 7-1, 9-11
US	7,190,289	Context-based Adaptive Binary Arithmetic Coding	71	3.138, 3.140, 6.3, 7.3.1, 7.3.3, 7.4.1, 8.1, 8.2, 9.3, 9.3.1, 9.3.1.1, 9.3.3.2, 9.3.3.2.1.1, Figs. 6-7, 9-1, 9-2, 9-3, Tables 7-1, 9-11
US	6,954,156	Context-Based Adaptive Binary Arithmetic Coding	1	3.9, 3.12, 3.15, 3.77, 3.138, 3.151, 3.159, 7.3.3, 7.4.3, 9.3, 9.3.1.1, 9.3.3, 9.3.3.1, 9.3.3.2, 9.3.3.2.1, Fig. 9-1, 9-2, 9-3, Table 9-11 to 9-23
US	6,967,600	Context-Based Adaptive Variable Length Coding	1	3.15, 3.75, 3.153, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.3, Table 9-10
US	7,312,731	Context-Based Adaptive Variable Length coding	1	3.15, 3.75, 3.153, 7.3.5.3.1, 7.4.3, 7.4.5, 7.4.5.3.1, 8.5.1, 8.5.5, 8.5.10, 9.2, 9.2.2, 9.2.3, 9.2.4, Fig. 8-8, Table 9-10
US	6,992,605	Context-Based Adaptive Variable Length Coding	1	3.15, 3.75, 3.153, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.2, 9.2.3, 9.2.4, Table 9-10

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
US	7,088,269	Context-Based Adaptive Variable Length Coding	1	3.9, 3.12, 3.15, 3.75, 3.136, 3.149, 3.157, 7.3.3, 7.4.3, 9.3, 9.3.1.1, 9.3.3, 9.3.3.1, 9.3.3.2, 9.3.3.2.1, Figs. 9-1, 9-2, 9-3, Tables 9-11 to 9-23
US	7,095,896	Context-Based Adaptive Variable Length Coding	2	6.4.8.3, 6.4.8.4, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5.1, 9.2, 9.2.1, Table 9-5
US	7,305,134	Context-Based Adaptive Variable Length Coding	1	6.4.8.3, 6.4.8.4, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5.1, 9.2, 9.2.1, Table 9-5
US	7,308,143	Context-Based Adaptive Variable Length Coding	3	6.4.8.3, 6.4.8.4, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5.1, 9.2, 9.2.1, Table 9-5
US	7,308,144	Context-Based Adaptive Variable Length coding	1, 2	6.4.8.3, 6.4.8.4, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5.1, 9.2, 9.2.1, Table 9-5
US	7,308,149	Context-Based Adaptive Variable Length coding	2	6.4.8.3, 6.4.8.4, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5.1, 9.2, 9.2.1, Table 9-5
US	7,305,035	Context-Based Adaptive Variable Length Coding	1	3.15, 3.53, 3.75, 3.153, 3.154, 8, 8.5.1, 8.5.5, 9.2, 9.2.2, 9.2.2.1, 9.2.4, Fig. 8-8, Table 9-6
US	7,162,091	DC Prediction modes	17	3.15, 3.27, 3.37, 3.39, 3.41, 3.53, 3.54, 3.63, 3.64, 3.66, 3.67, 3.75, 3.85, 3.98, 3.102, 3.105, 3.106, 3.108, 3.119, 3.121, 3.136, 5.4, 7.3.2.1, 7.4.2.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.3, 8.3.2, 8.3.2.1, 8.3.2.2, 8.3.2.2.4, 8.3.3, 8.3.3.3, 8.4, A.2.4, A.2.5, A.2.6, A.2.7, Tables 8-2, 8-3, 8-4
US	Re. 40,177**	Deblocking filtering	1	3.75, 8, 8.5, 8.7, 8.7.2.4, Fig. 8-10
US	Re. 40,178	Deblocking filtering	21	3.75, 8, 8.5, 8.7, 8.7.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11, Tables 8-16, 8-17
US	Re. 40,179	Deblocking filtering	21	8, 8.7, 8.7.1, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11, Table 8-17
US	Re. 40,180	Deblocking filtering	21	8, 8.7, 8.7.1, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11
US	7,262,886	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11
US	7,277,593	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11, Tables 8-16, 8-17
US	7,289,682	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11
US	7,359,569	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11, Tables 8-16, 8-17
US	7,391,921	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11
US	7,391,922	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11
US	7,394,945	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11
US	7,397,965	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11, Table 8-16
US	7,403,667	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
US	7,437,015	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11
US	7,463,786	Deblocking filtering	1	8.7, 8.7.1, 8.7.2, 8.7.2.2, 8.7.2.4, Figs. 8-10, 8-11, Table 8-16
US	7,492,959	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.3, Figs. 8-10, 8-11
US	7,492,960	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, Figs. 8-10, 8-11
US	7,496,239	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.4, Figs. 8-10, 8-11
US	7,499,598	Deblocking filtering	1	8.7, 8.7.2, 8.7.2.1, 8.7.2.3, Figs. 8-10, 8-11
US	7,613,241	Deblocking filtering	1	8, 8.7, 8.7.2, 8.7.2.1, 8.7.2.2, Fig. 8-10, 8-11
US	7,620,110	Deblocking filtering	1	8, 8.7, 8.7.2, 8.7.2.1, 8.7.2.2, Fig. 8-10, 8-11
US	7,120,197	Deblocking filtering	1	8.4.2.1, 8.7, 8.7.2, 8.7.2.2, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11
US	7,126,989	Deblocking filtering	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.59, 3.98, 3.136, 3.138, 8.4, 8.4.2.1, 8.7, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, Fig. 8-10, Table 8-17
US	5,384,849	Deblocking filtering	7	3.14, 7.3.3, 7.4.3, 8.5 to 8.5.12, 8.7 to 8.7.2.4, Tables 8-16, 8-17
US	7,050,504	Deblocking filtering	6	7.4.3, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, 8.7.2.3, 8.7.2.4, Figs. 8-10, 8-11, Tables 8-16, 8-17
US	7,227,901	Deblocking filtering	16	7.4.3, 8.7, 8.7.1, 8.7.2, 8.7.2.2, 8.7.2.3, Fig. 8-11, Tables 8-16, 8-17
US	7,352,812	Deblocking filtering	1	8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, Fig. 8-11
US	5,933,541	Deblocking filtering	1	0.6.3, 3.15, 3.75, 8, 8.7, 8.7.2.1, 8.7.2.2
US	6,115,503	Deblocking filtering	1	7.4.2.2, 8.7, 8.7.1, 8.7.2, 8.7.2.2, 8.7.2.4, A.2.1, A.2.2, A.2.3, A.2.4, A.2.5, A.2.6, A.2.7, Figs. 8-10, 8-11, 8-16, Table 8-16
US	7,206,347	Decoded picture buffer	1	3.14, 3.27, 3.37, 3.38, 3.41, 3.104, 3.121, 7.3.1, 7.4.1, C.4.5.2, C.4.5.3.
US	7,346,216	Decoded picture buffer	6	3.40, 3.64, 3.89, 3.123, 7.3.3.3, 7.4.1, 7.4.3.3, 8, C.2, C.2.3
US	5,235,618	Decoder buffer conformance	25	C.1, C.1.1, C.1.2, C.3, Fig. C-2
US	5,606,539	Decoding timing control	29	C, C.1.1, C.1.2, C.3, C.4, D.2.1, D.2.2, Fig. C-2
US	5,608,697	Decoding timing control	1	3.1, 6.1, 6.2, 7.1, C, C.3, C.4, D.2.1, D.2.2, Fig. C-2
US	5,844,867	Decoding timing control	29	C, C.1.1, C.1.2, C.3, C.4, D.2.1, D.2.2, Fig. C-2
US	7,327,788	Deriving motion vectors	1	8.4.1, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3
US	7,233,621	Direct mode	1	3.72, 3.102, 3.104, 8.2.4, 8.2.4.2.3, 8.2.4.2.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 8-6
US	7,570,691	Direct mode	1	3.74, 3.104, 3.106, 8.2.4, 8.2.4.2.3, 8.2.4.2.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 8-6

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
US	7,606,307	Direct mode	1	3.74, 3.104, 3.106, 8.2.4, 8.2.4.2.3, 8.2.4.2.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 8-6
US	7,627,035	Direct mode	1	3.74, 3.104, 3.106, 8.2.4, 8.2.4.2.3, 8.2.4.2.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 8-6
US	Re. 35,093	Field biprediction	46	0.6.2, 3.37, 3.48, 3.127, 8, 8.4, 8.4.2, 8.4.2.1, 8.4.2.2, 8.4.2.2.1, 8.4.2.3, 8.4.2.3.1, 8.4.2.3.2, 8.5, 8.5.1
US	6,160,849	Field/frame prediction selection	1	3.37, 3.41, 3.50, 3.55, 6.2, 6.3, 7.3.4, 7.3.5.2, 7.4.2.1, 7.4.3, 7.4.4, 8, 8.4.2.1, Figs. 6-1, 6-2, 6-8
US	4,849,812*	Field/frame transform selection	1	0.2, 0.6.2, 3.27, 3.41, 3.47, 3.48, 3.53, 3.69, 3.75, 3.76, 3.153, 6.2, 6.3, 6.4.1, 6.4.3, 7.4.2.1, 7.4.4, 8.5.12, Figs. 6-7, 6-8
US	5,539,466	Field/frame transform selection	1	3.54, 6.2, 6.3, 7.4.3, 7.4.4, 8.4.1.2.1, 8.5, 8.5.1, 8.5.5, 8.5.12, Figs. 6-1, 6-2, 6-4, Tables 8-6, 8-7, 8-8
US	4,864,393*	Fractional pel chrominance motion vector derivation	1	3.85, 3.106, 3.108, 8.4, 8.4.1, 8.4.1.3, 8.4.1.4
US	6,728,317	Fractional sample interpolation	2	8.4.2.2, 8.4.2.2.1, Fig. 8-4
US	5,223,949	Frame ordering	5	0.6, 0.6.1, 0.6.2, 0.6.3, 8, 7.4.3, 7.4.5, 7.4.5.1, 8.3, 8.4, 8.4.1.2.3, C, C.2, C.2.2, Figs. C-2, Tables 7-10 to 7-14
US	5,699,476	Hierarchical picture coding types	5	3.1, 3.8, 3.59, 3.62, 3.64, 3.66, 3.67, 3.98, 3.123, 3.124, 3.125, 6.1, 6.2, 6.3, 7.3.3.1, 7.4.1, 7.4.1.2.2, 7.4.1.2.3, 7.4.1.2.4, 7.4.1.2.5, 7.4.2.1, 7.4.2.4, 7.4.2.5, 7.4.3, 7.4.5, 8, 8.2.1, 8.2.1.3, 8.3, 8.4, 8.5, C, C.2, Fig. 6-7, Tables 7-1, 7-5, 7-10
US	7,593,466	HRD parameters	1	3.14, 3.28, 3.43, 3.48, 3.49, 8, Annex C, C.3, E, E.1.1, E.2.1, E.2.2, Figs. C-1, C-2
US	6,912,584	I, P and SP slices	13	3.59, 3.98, 3.121, 3.122, 3.123, 3.136, 3.142, 6.3, 7.3.3, 7.3.5.1, 7.4.3, 7.4.5.1, 8, 8.3, 8.4.1, 8.4.2, 8.4.2.1, 8.5, 9.1, Fig. 6-7, Tables 7-6, 7-13
US	7,209,520	IDR picture	1	3.59, 3.64, 3.65, 3.66, 3.67, 3.68, 3.69, 3.123, 7.3.1, 7.4.1, 7.4.2.4, 7.4.3, 8.2.5.1, Tables 7-1, 7-5, 7-6
US	7,292,636	Inter prediction	1	3.8, 3.14, 3.41, 3.72, 3.85, 3.104, 3.123, 3.124, 8, 8.2.1, 8.4, 8.4.1.2.1, 8.4.1.2.3, Table 8-6
US	5,926,225	Inter prediction	17	7.3.2.1, 7.3.3, 7.3.3.3, 7.4.2.1, 7.4.3.3, 8, 8.2.5.3, 8.4, 8.4.1, 8.4.2, 8.5, 8.5.1, 8.5.3, 8.5.4, 8.5.10, 8.5.11, Tables 7-8, 7-9
US	7,515,635	Inter prediction	1	3.15, 3.49, 3.65, 3.66, 3.75, 3.77, 3.100, 3.104, 3.123, 3.124, 3.125, 3.129, 3.138, 3.142, 3.147, 7.3.2.2, 7.3.3, 7.3.4, 7.3.5, 7.3.5.1, 7.3.5.3, 7.3.5.3.1, 7.3.5.3.2, 7.3.5.3.3, 7.4.2.2, 7.4.3, 7.4.5.1, 8.4.2.3, 8.4.2.3.1, 8.4.2.3.2, 8.5.1
US	7,116,830	Intra prediction	12	0.6, 3.66, 3.67, 6.4.8.3, 7.3.5.1, 7.4.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.1, 8.3.1.2.2, Fig. 8-1, Table 8-2
US	7,263,232	Intra prediction	1	3.15, 3.59, 3.67, 3.75, 3.127, 3.136, 8, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.2, 8.3.1.2.4, 8.5.1, 8.5.5, Figs. 8-1, 8-8, Tables 8-2, 8-13

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
US	7,577,305	Intra prediction	14	3.15, 3.39, 3.41, 3.43, 3.68, 3.69, 6.4.10.4, 8, 8.3.1, 8.3.1.1, 8.3.1.2, 8.3.1.2.1, 8.3.1.2.2, Fig. 8-1, Table 8-2
US	7,386,048	Intra prediction modes	10	6.4.10.4, 7.3.5.1, 7.4.5.1, 8.3, 8.3.1, 8.3.1.1, 8.3.1.2.1, 8.3.1.2.2, 8.3.1.2.3, 8.3.1.2.4, Table 8-2
US	6,907,071	Intra prediction modes	1	3.15, 3.65, 3.68, 3.77, 6.2, 7.4.2.2, 7.4.5, 8.3.1, 8.3.1.2, 8.3.2, 8.3.2.2, 8.3.3
US	7,272,182	Luma motion vector prediction	8	3.15, 3.49, 3.65, 3.66, 3.77, 3.100, 3.104, 6.4.10, 8.4.1, 8.4.1.3, 8.4.1.3.1, 9.3, 9.3.2, 9.3.3, 9.3.3.1, 9.3.3.1.1.7, 9.3.3.2, 9.3.3.2.1, 9.3.3.2.1.1, Fig. 6-14, 9-2, 9-3, Tables 9-34, 9-39
US	7,558,321	Luma motion vector prediction	1	3.72, 3.102, 3.104, 8.2.4, 8.2.4.2.3, 8.2.4.2.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, Table 8-6
US	5,021,879*	Macroblock & subblock header	1	3.14, 3.15, 3.27, 3.41, 3.46, 3.63, 3.64, 3.66, 3.75, 3.98, 3.101, 3.102, 3.105, 3.106, 3.108, 3.121, 3.127, 3.130, 3.136, 3.145, 3.146, 6.1, 6.2, 6.3, 6.4.2, 7.3.5, 7.3.5.1, 7.3.5.2, 7.4.4, 7.4.5, 7.4.5.2, 8, 8.3, 8.4, Fig. 6-9, Tables 7-10, 7-13, 7-15, 7-17
US	5,467,086	Motion compensated prediction	19	0.6, 0.6.3, 6.3, 7.3.5, 7.3.5.1, 7.3.5.3, 7.4.5, 7.4.5.1, 8, 8.2.5, 8.3, 8.3.3.3, 8.4, 8.4.2, 8.4.2.1, 8.4.2.2, 8.5, 8.5.1, 8.5.2, 8.5.4, 8.5.10, Tables 7-11, 7-13
US	7,280,700	Motion vector prediction	9	3.8, 3.43, 3.44, 3.138, 6.4.8, 7.3.3, 7.4.3, 8, 8.4.1.2, 8.4.1.2.2, 8.4.1.3.2, Fig. 6-12
US	7,362,807	Motion vector prediction	1	3.15, 3.47, 3.75, 3.85, 3.102, 6.4.5, 6.4.8, 6.4.8.1, 7.4.5, 7.4.5.1, 8.4, 8.4.1, 8.4.1.1, 8.4.1.3, 8.4.1.3.1, 8.4.1.3.2, 8.4.2, Fig. 6-14, Table 7-13
US	7,394,853	Motion vector prediction	1	3.8, 3.15, 3.29, 3.43, 3.66, 3.87, 3.123, 6.4.10, 7.3.5, 7.3.5.2, 7.4.5.1, 7.4.5.2, 8.2.1.3, 8.4.1, 8.4.1.3, 8.4.1.3.1, 8.4.1.3.2, Fig. 6-14
US	7,400,681	Motion vector prediction	1	3.74, 3.75, 3.87, 3.122, 3.123, 3.124, 3.125, 3.126, 6.4.8, 8.2.4, 8.4, 8.4.1, 8.4.1.3, 8.4.1.3.1, Fig. 6-12
US	7,586,924	NAL unit	1	3.1, 3.14, 3.30, 3.31, 3.89, 3.90, 3.138, 3.160, 6.2, 7.4.1, 7.4.1.2.3, 7.4.1.2.4, G.3.4, G.3.6, G.3.11, G.3.30, G.3.31, G.3.55, G.3.60, G.3.61, G.7.4.1.2.3, G.7.4.1.2.4, Fig 7-1, Table 7-1
US	6,909,450	NAL unit	1	3.1, 3.14, 3.89, 3.90, 3.138, 3.142, 6.2, 6.3, 7.3.2.2, 7.3.3, 7.4.1, 7.4.1.2, 7.4.1.2.3, 7.4.2.2, 7.4.3, Fig. 6-7, Table 7-1
US	7,505,485	NAL unit syntax	12	3.14, 3.21, 3.41, 3.43, 3.47, 3.89, 3.145, 6.1, 7.3.1, 7.4.1, 8, B, B.1.1, B.1.2, B.2
US	6,571,361	NAL unit syntax	19	3.14, 3.21, 3.87, 3.88, 3.114, 3.143, 3.144, 3.149, 6.2, 7.2, 7.3.1, 7.3.2.11, 7.3.5, 7.3.5.1, 7.4.1, B
US	7,321,995	NAL unit syntax	1	3.14, 3.20, 3.21, 3.89, 3.90, 3.116, 3.145, 3.146, 3.151, 6.2, 7.2, 7.3.1, 7.3.2.11, 7.3.5, 7.3.5.1, 7.4.1, 7.4.2.11, 8, B, B.1.1, B.1.2

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
US	7,472,317	NAL unit syntax	1	3.14, 3.20, 3.21, 3.89, 3.90, 3.116, 3.145, 3.146, 3.151, 6.2, 7.2, 7.3.1, 7.3.2.11, 7.3.5, 7.3.5.1, 7.4.1, 8, Annex B, B.1.1, B.1.2
US	7,487,410	NAL unit syntax	1	3.14, 3.20, 3.21, 3.89, 3.90, 3.116, 3.145, 3.146, 3.151, 6.2, 7.2, 7.3.1, 7.3.2.11, 7.3.5, 7.3.5.1, 7.4.1, 7.4.2.11, 8, Annex B, B.1.1, B.1.2
US	7,271,849	Pan scan syntax	10	3.43, 8, Annex D, D.1.3, D.2.3
US	7,274,407	Pan scan syntax	10	3.43, 7.4.2.1.1, 7.4.2.3.1, 8, Annex D, D.1, D.1.3, D.2.3
US	7,286,189	Pan scan syntax	21	3.43, 7.4.2.1.1, 8, D, D.1.3, D.2.3
US	5,740,310	Picture data reference header information	1	3.1, 6.1, 6.2, 6.3, 7.1, 7.3.1, 7.3.3, 7.4.3, C, C.2
US	6,373,856	Picture order count	8	3.14, 3.53, 3.75, 3.102, 3.104, 3.136, 3.138, 3.140, 7.3.3, 7.4.2.1, 7.4.3
US	Re. 37,222	Picture prediction	16	0.6.1, 7.4.5, 7.4.5.1, 8, 8.2.4, 8.3, 8.4, 8.4.1.2.3, 8.5, C.2, C.2.2, Tables 7-10, 7-11, 7-12, 7-13, 7-14
US	5,510,840	Picture structure flag	7	3.53, 6.2, Fig. 6-2
US	Re. 35,158*	Prediction modes for bipredictive ("B") pictures	16	0.6.1, 7.3.5, 7.3.5.1, 7.4.5, 8, 8.2.4.2.3, 8.4, 8.4.2, 8.4.2.3, 8.4.2.3.1, 8.4.2.3.2, 8.5, 8.5.1, C.2, C.2.2, Tables 7-11, 7-14
US	6,912,351	Predictive reference picture selection	12	6.3, 7.3.3, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4.2, 8.4.2.1, 8.5, Fig. 6-7, Tables 7-6, 7-13
US	7,403,663	Predictive reference picture selection	1	6.3, 7.3.3, 7.3.5, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, Fig. 6-7, Tables 7-6, 7-13
US	7,424,159	Predictive reference picture selection	1	6.3, 7.3.3, 7.3.5, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, C, E, E.2.1, Fig. 6-7, Tables 7-6, 7-13
US	7,433,525	Predictive reference picture selection	1	6.3, 7.3.5, 7.3.5.1, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, Fig. 6-7, Tables 7-6, 7-13
US	7,440,627	Predictive reference picture selection	1	6.3, 7.3.3, 7.3.5, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, C, E, E.2.1, Fig. 6-7, Tables 7-6, 7-13
US	7,447,367	Predictive reference picture selection	1	6.3, 7.3.3, 7.3.5, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, Fig. 6-7, Tables 7-6, 7-13
US	7,463,776	Predictive reference picture selection	1	6.3, 7.3.5, 7.3.5.1, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, Fig. 6-7, Tables 7-6, 7-13
US	7,486,832	Predictive reference picture selection	1	6.3, 7.3.3, 7.3.5, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, C, E, E.2.1, Fig. 6-7, Tables 7-6, 7-13
US	7,577,303	Predictive reference picture selection	1	6.3, 7.3.3, 7.3.5, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, Fig. 6-7, Tables 7-6, 7-10, 7-11, 7-13

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
US	7,577,304	Predictive reference picture selection	1	6.3, 7.3.3, 7.3.5, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, Annex C, E, E.2.1, Fig. 6-7, Tables 7-6, 7-10, 7-11, 7-13
US	7,580,583	Predictive reference picture selection	1	6.3, 7.3.3, 7.3.5, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, Fig. 6-7, Tables 7-6, 7-10, 7-11, 7-13
US	7,587,090	Predictive reference picture selection	1	6.3, 7.3.3, 7.3.4, 7.3.5, 7.3.5.1, 7.4.3, 7.4.5, 7.4.5.1, 8, 8.4, 8.4.1, 8.4.2, 8.4.2.1, 8.5, Fig. 6-7, Tables 7-6, 7-10, 7-11, 7-13
US	7,149,247	recovery_frame_cnt	8	0.2, 3.41, 3.47, 3.112, D, D.1, D.1.7, D.2.7.
US	6,510,554	Redundant picture data	7	3.1, 3.30, 3.102, 3.109, 3.117, 7.4.1.2.2, C, Figs. 7-1, C-2
US	5,930,395	Redundant picture data	1	3.109, 3.117, 7.3.3, 7.4.3
US	6,408,098	Redundant picture data	1	3.109, 3.117, 7.3.2.2, 7.3.3, 7.4.2.2, 7.4.3
US	6,621,931	Redundant picture data	1	3.109, 3.117, 7.3.2.2, 7.3.3, 7.4.2.2, 7.4.3
US	6,353,681	Redundant picture data	1	3.109, 3.117, 7.3.2.2, 7.3.3, 7.4.2.2, 7.4.3
US	7,526,026	Reference picture selection	1	3.39, 3.41, 3.43, 3.61, 3.64, 3.65, 3.66, 3.68, 3.69, 3.123, 7.3.1, 7.4.1, 7.4.2.4, 7.4.3, 8.2.5.1, Table 7-1, 7-5, 7-6
US	7,106,795	Scaling	1	3.111, 3.130, 5.1, 5.4, 8, 8.5.5, 8.5.10
US	6,882,685	Scaling and transformation	15	3.37, 3.41, 3.154, 7.3.5, 7.3.5.3, 7.4.5, 7.4.5.3, 8, 8.5, 8.5.1, 8.5.2, 8.5.7, 8.5.8, 8.5.9, 8.5.10, 9.2, 9.3, Table 7-15
US	7,106,797	Scaling and transformation	1	3.37, 3.41, 3.154, 7.3.5, 7.3.5.3, 7.4.5.3, 8, 8.5, 8.5.1, 8.5.2, 8.5.10, Table 7-15
US	7,411,526	Scaling and transformation	1	3.15, 3.77, 3.155, 7.3.5.3.1, 7.3.5.3.2, 7.4.3, 7.4.5, 7.4.5.3.1, 7.4.5.3.2, 8.5.1, 8.5.6, 8.5.11, 8.5.11.1, 9.2.2, 9.2.3, 9.2.4, Fig. 8-8, Table 9-10
US	7,123,655	Scaling and transformation	1	3.111, 3.130, 5.1, 5.4, 8, 8.5.5, 8.5.7, 8.5.10
US	7,130,348	Scaling and transformation	1	3.111, 3.130, 5.1, 5.4, 8, 8.5.5, 8.5.10
US	7,170,942	Scaling and transformation	1	3.113, 3.132, 5.1, 5.4, 8, 8.5.6, 8.5.8, 8.5.11, 8.5.11.1, 8.5.11.2
US	7,194,136	Scaling and transformation	6	7.3.2.1.1, 7.3.2.1.1.1, 7.4.2.1.1, 8, 8.4, 8.5, 8.5.11, 8.5.12, Table 7-2 to 7-4
US	7,340,102	Scaling and transformation	4	7.3.2.1.1, 7.3.2.1.1.1, 7.4.2.1.1, 8, 8.4, 8.4.1.2, 8.4.1.2.1, 8.4.1.2.3, 8.5, 8.5.11, 8.5.12, Tables 7-2 to 7-4
US	6,445,739	Scaling matrix	1	3.111, 7.3.2.1, 7.3.2.1.1, 7.4.2.1, 7.4.2.1.1, 7.4.2.2, 7.4.3, 7.4.5, 8.5, 8.5.1, 8.5.2, 8.5.3, 8.5.4, 8.5.5, 8.5.6, 8.5.7, 8.5.10, 9.2.4, A.2.5, A.2.6, A.2.7, Figs. 8-8, 8-9, Tables 7-2, 8-13, 8-14
US	6,501,793	Scaling matrix	1	7.3.2.1, 7.3.2.1.1, 7.4.2.1, 7.4.2.1.1, 7.4.2.2, 8.5, 8.5.1, 8.5.2, 8.5.3, 8.5.4, 8.5.5, 8.5.6, 8.5.7 A.2.5, A.2.6, A.2.7, Figs. 8-8, 8-9, Tables 7-2, 8-13, 8-14

AVC Patent Portfolio License Cross-Reference Chart

(The following chart shows illustrative essential claims for each patent; other claims may also be essential.)

Cty	Patent	Description	CI	Sections
US	6,097,759	Scanning order and prediction	4	3.108, 3.127, 8, 8.2.5, 8.4.2, 8.4.2.2, 8.5.1, 8.5.5, 8.5.10, C.2, Fig. 8-8
US	5,654,706	Scanning pattern	1	3.76, 3.128, 3.157, 4, 6.4, 6.4.2, 7.3.4, 7.4.2.1, 7.4.4, 7.4.5.3.1, 8, 8.5.5, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, Figs. 6-8, 6-9, 8-8
US	6,680,975	Scanning pattern	56	3.76, 6.4, 6.4.2, 7.3.4, 7.4.2.1, 7.4.4, 8, 8.5.5, 9, 9.1, 9.2, Figs. 6-8, 6-9, 8-8
US	7,292,657	Scanning pattern	1	4, 7.3.4, 7.3.5.3, 7.4.2.1, 7.4.2.2, 7.4.4, 8, 8.5.5, 8.5.6, 9.2, 9.3, Figs. 8, 8, 8-9, Tables 8-13, 8-14
US	7,167,591	SEI Message syntax	1	3.38, 3.63, 3.64, 3.102, 3.121, 3.122, 3.123, 7.3.3, 7.3.3.3, 7.4.3.3, 8.2.4, C.2, C.2.4.1, D.1.8, D.2.8, Table 7-9
US	7,218,787	SEI Message syntax	1	3.38, 3.63, 3.64, 3.102, 3.121, 3.122, 3.123, 7.3.3, 7.3.3.3, 7.4.3.3, 8.2.4, C.2, C.2.4.1, D.1.8, D.2.8, Table 7-9
US	7,167,633	SEI message syntax	13	3.43, 7.4.1.2.3, 8, Annex D, D.1, D.1.2, D.2.2, E, E.1.1, E.2.1, Fig. 7-1
US	7,248,779	SEI message syntax	21	3.43, 7.4.1.2.3, 8, D, D.1, D.1.2, D.2.2, E, E.1.1, E.2.1, Fig. 7-1
US	7,242,437	SEI message syntax	19	3.43, 7.4.1.2.3, 8, D, D.1.2, D.2.2 Fig. 7-1
US	7,633,551	SEI message syntax	8	3.43, 7.4.1.2.3, 8, Annex D, D.1, D.1.2, D.2.2, Fig. 7-1
US	7,388,916	Slice group map	1	7.3.2.2, 7.4.2.2, 8.2.2, 8.2.2.4, A.2.1 to A.2.7, Table 8-1
US	7,266,149	Transform selection	43	3.15, 3.53, 3.64, 3.75, 3.98, 3.127, 3.136, 7.3.2.2, 7.3.5, 7.4.2.2, 7.4.5, 8, 8.5.1, 8.5.3, 8.5.10, 8.5.11, Tables 7-11, 7-13
US	6,954,157	Transform selection	1	3.153, 3.75, 7.3.5.3.1, 7.4.5.3.1, 9.2, 9.2.3, Table 9-10
US	7,184,598	Transform selection	1	6.4.8.3, 6.4.8.4, 7.3.5.3.1, 7.4.5.3, 7.4.5.3.1, 8.5.1, 9.2, 9.2.1, Table 9-5
US	7,109,898	Variable length decoding	5	3.15, 3.43, 3.77, 3.155, 7.3.5.3.1, 7.4.3, 7.4.5, 7.4.5.3.1, 7.4.5.3.2, 8.5.1, 8.5.6, 8.5.11, 8.5.11.1, 9.2.2, 9.2.4, Fig. 8-8
US	7,283,071	Variable length decoding	1	3.15, 3.77, 3.155, 7.3.5.3.1, 7.4.3, 7.4.4, 7.4.5, 7.4.5.3.1, 7.4.5.3.2, 8.5.1, 8.5.6, 8.5.11, 8.5.11.1, 9.2.2, 9.2.4, Fig. 8-8
US	7,155,055	Video usability semantics	1, 9	3.24, 3.55, 3.76, 6.2, E, E.1.1, E.2, E.2.1, Table E-5
US	7,266,150	Weighted sample prediction	1	3.8, 3.13, 3.77, 3.100, 3.122, 3.124, 3.140, 7.3.3.2, 8.2.4.2.3, 8.4, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3
US	7,492,952	Weighted sample prediction	1	3.8, 3.15, 3.49, 3.65, 3.66, 3.75, 3.77, 3.87, 3.104, 3.106, 3.123, 3.129, 3.138, 3.147, 7.3.2.2, 7.3.3, 7.3.3.1, 7.3.5, 7.3.5.1, 7.3.5.2.2, 7.3.5.3, 7.3.5.3.1, 7.3.5.3.2, 7.3.5.3.3, 7.4.2.2, 7.4.3, 7.4.3.1, 8.4, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.1, 8.4.2.3.2, 8.4.3, 8.5, 8.5.1, 8.5.2, 8.5.3, 8.5.4, Table 7-7
US	7,542,510	Weighted sample prediction	1	3.8, 3.43, 3.66, 3.123, 8.2.1, 8.4, 8.4.1.2.3, 8.4.2.3, 8.4.2.3.2, 8.4.3, 8.5, 8.5.1, 8.5.2, 8.5.3, 8.5.4