

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

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

Ctry.	Patent	Description	Cl. #	Sections
AT	157830	VBV Buffer	1	Intro. 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
AT	160252	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
AT	182243	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
AT	185663	Mismatch control	1	7.4.4.5, 7.4.5
AT	260,748	VLC events including run & level	1, 10	0.5.4, 7, 7.1, 7.4.1.2, 7.4.2, 7.4.3.4, Tables B-16, B-17, B-23, Fig. 7-2
AT	289467	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
AT	954,182	Mismatch control	1	7.4.4.5, 7.4.5
AT	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
AT	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
AT	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
BE	460,751	VBV Buffer	1	Intro. 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
BE	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
BE	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
BE	638,218	Mismatch control	1	7.4.4.5, 7.4.5
BE	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
BE	954,182	Mismatch control	1	7.4.4.5, 7.4.5
BE	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
BE	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
BE	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
CH	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
CH	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
CH	638,218	Mismatch control	1	7.4.4.5, 7.4.5
CH	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
CH	954,182	Mismatch control	1	7.4.4.5, 7.4.5
CH	1002429	Time base	1	1, 6.25, 6.35
CH	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
CH	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
CH	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
CN	1208971	Global Motion Compensation	4	3.50, 3.52, 3.114, 3.116, 3.132, 6.2.6, 6.3.6, 7, 7.1, 7.8.7, 7.8.7.1, 7.8.7.3, Annex B.1.1, Fig. 7-2, Table B.1
CN	03145863.7	Scalable decoding	2	3.221, 6.2.3, 6.3.3, 7, 7.4, 7.5, 7.5.2.1.2, 7.5.4, 7.5.4.1, 7.5.4.2, 7.5.4.3, 7.9, 7.9.2.2, 7.9.2.3, 7.9.2.4, 7.9.2.5, 7.9.2.7, 7.9.2.8, 7.9.2.8.2, 7.9.2.8.3, 7.9.2.9, Figs. 7-3, 7-52, 7-54
CN	100466747	Global Motion Compensation	5	3.50, 3.52, 3.114, 3.116, 3.132, 6.2.6, 6.3.6, 7, 7.1, 7.8.7, 7.8.7.1, 7.8.7.3, Annex B.1.1, Fig. 7-2, Table B.1
CN	200510006891.2	Fixed VOP rate flag	1	3.71, 3.109, 3.221, 6.1.3, 6.2.1, 6.2.3, 6.3.3, 7, 7.2, 7.3, 7.4, Figs. 6-19, 7-1, 7-3
CN	200510055881.8	Prediction sample rounding; vop_rounding type	1	3.6, 3.114, 3.127, 3.132, 3.133, 4.1, 6.1, 6.2.5, 6.2.6.2, 6.2.7, 6.3.5, 6.3.6.2, 7.1, 7.2, 7.3, 7.6.2.1, 7.6.3 and Figs. 7-2, 7-3, 7-18
CN	200510059461.7	Prediction sample rounding; vop_rounding type	2	3.143, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2, 7.6.2.1, and Figs. 7-2, 7-3, 7-7, 7-18
CY	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
CY	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
DE	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
DE	3750206	VLC events including run & level	1, 10	0.5.4, 7, 7.1, 7.4.1.2, 7.4.2, 7.4.3.4, Tables B-16, B-17, B-23, Fig. 7-2
DE	3767919	Skipped Blocks	1	Intro. 6.1.3, 6.1.3.1, 6.1.3.8, 6.1.3.9, 6.2.6, 6.3.6, 7.6.3, Tables B-1, B-2, B-8 to B-11
DE	3,769,306	P-VOP decoding	1	Intro., 3.95, 6, 7, 7.1, 7.3, Fig. 7-2, Table B-1
DE	3855114	Macroblock	1	3.146, 6.3.6, 6.3.6.2, 6.3.7, Annexes B.1, B.1.1, B.1.2, B.6, B.7
DE	3855203	VLC escape coding	5	Intro. 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Tables B-16 to B-18, B-23 to B-25
DE	3874703	Variable transmission rate	11	7.9.1.1, Fig. 7-53
DE	59801516	Shape-adaptive transforms (SA-DCT, inverse SA-DCT)	1	3.12, 3.123, 3.124, 3.137, 3.157, 6.3.3, 7.3, 7.4, 7.4.5, 9.1, 9.2, Annex A.3, A.4, Table 9-2, Fig. 7-3
DE	59802096	Interpolation filtering	2	Intro., 7.6, 7.6.2.1, 7.6.2.2, 7.6.2.2.1, Figs. 7-18, V2-17, V2-18
DE	59802376	Shape coding of B-VOPs	1	Intro., 1, 3.12, 6.1.3.5, 6.3.5.3, 7, 7.5.2.1.2, 7.5, Table 6-30
DE	59804203	Time base	1	1, 6.25, 6.35
DE	59808075	SA-DCT	16	3.12, 3.13, 3.137, 6.3.3, 7, 7.4.5
DE	69024235	B-VOP coding	1	Intro., 3.116, 3.133, 6.1.3.2, 6.1.3.3, 6.1.3.4
DE	69027820	Saturation control	4	7, 7.1, 7.4.4, 7.4.4.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.4, 7.4.5, Figs. 7-1, 7-2, 7-3, 7-7, Tables B-13, B-14
DE	69030819	B-VOP decoding	1	Intro., 3.133, 6.1.3.4, 6.1.3.7, 7.1, 7.3, 7.4, Fig. 7-2
DE	69031045	B-VOP decoding	1	Intro., 6.1.3.4, 6.1.3.7, 6.2.5, 6.3.5, 7.1, 7.4, 7.4.1, 7.4.2, 7.4.4, 7.4.5, Figs. 7-2, 7-3, Table 6-20
DE	69031107	B-VOPs	6	3.185, 6.1.3.4, 6.1.3.5, 6.1.3.7, 6.1.3.8, 7.3, 7.6, 7.6.7
DE	69109346	VOP coding types	1	1, 3.96, 3.116, 3.161, 3.6, 6.1.3.5, 6.2.5, 6.3.5, Table 6-24
DE	69127224	Broken link	4	6.1.3.4, 6.1.3.5, 6.1.3.7, 6.2.4, 6.3.4
DE	69127504	VBV Buffer	1	Intro. 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
DE	69131438.1	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
DE	69229153	Motion vector range	1	Intro., 3.114 to 3.116, 6.3, 6.3.5, 6.3.6, 6.3.6.2, 7.6.3, Table B-12
DE	69232063.6	Motion vector decoding	19	3.14, 3.107, 3.114, 6.2.6, 6.3.6, 6.3.6.2, 7.3, 7.6.3, 7.6.5, Annex B.1.1, Tables B-1, B-6, B-7, Fig. 7-20
DE	69315203	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
DE	69321781.2	Inverse scan selection	10	3.82, 3.107, 6.3.3, 6.3.5.2, 7.1, 7.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.2, Fig. 7-2, 7-3, 7-4
DE	69421135	Mismatch control	1	7.4.4.5, 7.4.5
DE	69434369	VLC table selection	5	6.3, 6.3.5, 6.3.6, 7, 7.4.1.4, 7.4.4, Tables 6-25, 6-32, B-1, B-6, B-7, B-13 to B-15, B-20, Fig. 7-103
DE	69434667.5	VLC table selection	1	3.55, 3.178, 3.193, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.4.2, Tables 6-21, B-13 to B-18, B-20 to B-25, Figs. 7-3, 7-4
DE	69434668.3	VLC table selection	1	3.139, 3.178, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.4.2, Figs. 7-3, 7-4, Tables 6-21, B-13 to B-25
DE	69435380.9	Mismatch control	1	7.4.4.5, 7.4.5
DE	69435382.5	Mismatch control	4	7.4.4.5, 7.4.5
DE	69435383.3	Mismatch control	4	7.4.4.5, 7.4.5
DE	69615948.1	Temporal scalability	7	1, 6.3.3, 7.5, 7.5.1, 7.5.1.2, 7.9, 7.9.1, Fig. 7-52, Tables 6-22, 9-1
DE	69619002	VLC escape coding	1	6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.6, 7.1, 7.2, 7.3, Fig. 7-2, Tables B-8 to B-11
DE	69620932	Subframe timing	1	3.106, 3.137, 3.221, 6.2.5, 6.2.5.2, 6.3.5
DE	69624276	Data partitioning	4	6.3.7, 7.1, 7.4.1, 7.4.1.2, 7.4.1.3, Fig. 7-2, Table B-23
DE	69632705.8	Partial VOP temporal scalability	8	Intro. 3.14, 3.124, 3.137, 3.149, 3.221, 6.1.3, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 7.5, 7.9, 7.9.1, 7.9.1.1, Table 9-5, Fig. 7-52
DE	69634423.8	Binary shape decoding	1	3.12, 3.13, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.2.6.1, 6.3.5, 6.3.3, 6.3.6.1, 7.5, 7.5.2.5, 7.5.2.5.3, Fig. 7-2, Table 6-16, 9-1, 9-5, B.31
DE	69636150.7	Reversible VLC	1	3.214, 6.2.3, 6.3.3, 7.4.1.2, 7.4.1.3, Tables B.16, B.17, B.23, B.24, B.25
DE	69704481	Time base	1	3.221, 6.2.5, 6.2.5.2, 6.3.5, 7.7.2.2
DE	69709189	DC/AC coefficient prediction	7	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
DE	69709835	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
DE	69709912	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2, Figs. 7.4(a)-(c)
DE	69709914	DC/AC coefficient prediction	1	7.4, 7.4.1, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.3, 7.4.4, Figs. 7-3, 7-5
DE	69715815	VLC/Escape code decoding	1	3.5, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Table B.16, B.17, B.19, B.20, B.23
DE	69720198	Upsampling	1	7.5, 7.5.2.5.3, 9.1, Tables 9-1, 9-5, Figs. 7-16, 7-17
DE	69720558	VLC/Escape code decoding	1	3.5, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Table B.16, B.17, B.21 to B.23
DE	69721847.3	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5, Tables 6-28, 6-29
DE	69724841	VLC/Escape code decoding	1	7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Fig. 7-3, Tables B.16, B.17, B.19, B.20, B.23
DE	69733007.9	Temporal scalability	3	Intro. 3.174, 3.202, 6.2.3, 6.3.3, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3, 7.9.1.3.2, 7.9.1.3.3, 7.9.1.3.4, 7.9.1.3.5, Fig. 23
DE	69735028	Upsampling	1	6.3.5, 7, 7.3, 7.4, 7.4.6, Figs. 7-1, 7-3, 7-8, Table 9-2
DE	69735679.5	VLC/Escape code decoding	1	7, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.2, Table B.16, B.17, B.18, B.23, B.24, B.25
DE	69735680.9	VLC/Escape code decoding	1	7, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.2, Table B.16, B.17, B.18, B.19, B.20, B.23, B.24, B.25
DE	69738035.1	VOP time base	1	6.2, 6.2.3, 6.2.4, 6.3.4, 6.3.5, Tables 6-23, 9-1, 9-5

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
DE	69738264.8	Upsampling	4	6.3.5, 7.1, 7.4, 7.4.6, 7.4.6.2, 9.2, Figs. 7-2, 7-3, 7-8, 7-10
DE	69738379.2	MPEG-4/H.263	1	5.1.3, 5.2, 5.3, 6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5, 6.3.5.2, Tables 6-28, 6-29, 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
DE	69738381.4	MPEG-4/H.263 Header	1	1, 3.14, 6.1.1, 6.1.2, 6.1.3, 6.2.2, 6.3, 6.3.1, 6.3.2, 6.3.3, Tables 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
DE	69738480.2	Upsampling	1	Intro., 7.5, 7.5.2, 7.5.2.5, 7.5.2.5.2, 7.5.2.5.3, 9.1, 9.2, Figs. 7-13, 7-14, Tables 9-1, 9-2
DE	69738792.5	Sprite decoding	1	3.12, 3.52, 3.64, 3.141, 3.143, 4.1, 6.2.3, 6.2.5, 6.2.5.4, 6.3.3, 6.3.5.4, 7.8, 7.8.2, 7.8.4, 7.8.5, 7.8.6, Fig. 7-30, Table 6-16, B-33
DE	69739177.9	MPEG-4/H.263 Header	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, Tables 6-28, 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
DE	69739377.1	MPEG-4/H.263	1	1, 3.47, 3.102, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.4.1, 7.4.4, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.2.1, 7.4.4.3, Figs. 7-3, 7-7, Tables 6-27, 7-1, 9-1, 9-2, B-1, B-6, B-7
DE	69739379.8	MPEG-4/H.263	1	1, 3.5, 3.14, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, Fig. 7-3, Tables 9-1, 9-2, B-16, B-17, B-23, B-24, B-25
DE	69739380.1	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, 7.4.4, 7.4.4.1, 7.4.4.2, Tables 6-24, 6-25, 9-1, 9-2
DE	69739382.8	MPEG-4/H.263	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, 7, Tables 6-14, 6-24, 9-1, 9-2
DE	69739383.6	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25, 9-1, 9-2
DE	69739409.3	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5, 6.3.5.2, 6.3.6.2, 7.6.3, Tables 6-24, 6-25, 7-5, 9-1, 9-2
DE	69739410.7	MPEG-4/H.263	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.7, 6.3.3, 6.3.5, 6.3.7, 7.4.1.1, Annex B, Tables 9-1, 9-2, B-13, B-14, B-15
DE	69739411.5	MPEG-4/H.263	1	6.3.2, 6.3.3, 7.4, 7.4.1.3, Fig. 7-3, Tables 9-1, 9-2, B-16, B-17, B-18, B-19, B-20, B-21, B-22, B-23
DE	69739412.3	MPEG-4/H.263	1	1, 3.5, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.3.3, 7.4, 7.4.3, 7.4.3.3, Fig. 7-3, Tables 9-1, 9-2, B-1, B-6, B-7
DE	69739536.7	VLC/Escape code decoding	1	6.2.7, 7.1, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 9.1, 9.2, Fig. 7-2, Tables 9-2, B-16, B-17, B-21 to B-25
DE	69739794.7	MPEG-4/H.263	1	6.1.3.4, 6.1.3.7, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, 7, Table 6-24
DE	69739795.5	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25
DE	69739875	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25
DE	69739999.0	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.8, 7.8.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7, 7.8.7.1, Fig. 7-30, 7-2, Table 6-20, B-33, V2-2
DE	69740004.2	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.114, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7, 7.8.7.1, Fig. 7-2, 7-30, Tables 6-16, 6-17, 6-20, 7-30, B-33, AMD2-13, AMD2-14, V2-2
DE	69740005.0	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.6.2, 7.8, 7.8.1, 7.8.4, 7.8.5, 7.8.6, Figs. 7-2, 7-30, 7-31, Tables 6-17, 6-20, AMD2-13, AMD2-14, V2-2
DE	69740223.1	short video header	1	1, 3.5, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Figs. 7-3, Tables B-16, B-17, B-23
DE	69805036.3	Frame display cycle	1	1, 3.106, 3.221, 6.3.3
DE	69805583.7	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.1.3.2, 6.2.2, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 7, 7.1, 7.3, 7.4.2, 7.4.4, 7.4.4.1.2, 7.4.5, 7.16.4.2.1, Figs. 7-2, 7-3
DE	69808519.1	Prediction sample rounding	1	1, 3.4, 6.1, 6.2, 6.2.3, 6.2.5, 6.3.5, 7.3, 7.6, 7.6.2.1, Figs. 7-2, 7-18, Tables 9-1, 9-2
DE	69810971	Frame display cycle	1	6.3.3, 6.3.5, 7
DE	69812190	Frame display cycle	1	6.2.3, 6.3.3
DE	69813311	Frame display cycle	1	3.14, 3.106, 3.221, 6.1, 6.1.3, 6.2.3, 6.2.5, 6.3.3, 6.3.5
DE	69813635.7	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2
DE	69815722	Frame display cycle	1	3.221, 6.1, 6.1.3.2, 6.1.3.4, 6.1.3.6, 6.3.3, 6.3.4, 6.3.5, Table 6-23
DE	69816342	Prediction decoding	1	Intro., 3.173, 3.175, 5.2.4, 6.1.3.9, 6.1, 6.2.1, 6.2.2, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.6.7, Fig. 7-38
DE	69817460	Prediction sample rounding	1	3.6, 3.94, 3.127, 3.143, 3.185, 6.2.3, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
DE	69822751	VOP time code	8	6.2.5, 6.2.5.2, 6.2.5.3, 6.3.5, 9.1, 9.2, Table 9-1
DE	69829783.0	Quantization matrix	1	1, 3.230, 6.2.3, 6.3.2, 6.3.3, 7, 7.4, 7.4.2, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, Fig. 7-3, 7-4, 7-7, Tables 9-4, 9-8
DE	69833443	Random accessible vol	1	1, 6.1.2, 6.1.3, 6.2.3, 6.3.3, 7.2, 9.1, 9.2
DE	69834209.7	DC/AC coefficient prediction	1	1, 3.5, 3.14, 3.35, 3.47, 3.55, 3.92, 3.107, 6.1.3.8, 7.3, 7.4, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.5, 7.7, 7.7.1, Figs. 6-5, 6-6, 6-7, 7-3, 7-5, 7-6, 7-26, Tables 7-1, AMD2-13, AMD2-14
DE	69836052.4	DC/AC coefficient prediction	1	3.11, 3.31, 3.107, 6.3.6, 7.4, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-4, 7-5, 7-6, Table AMD2-13
DE	69838281	Global Motion Compensation	3	3.64, 3.107, 6.3.5, 6.3.6, 6.3.6.2, 7.6, 7.6.3, 7.6.5, 7.8.7.3, Fig. 7-20, V2-24, Table 7-5, AMD2-13, AMD2-14
DE	69838639.6	Global Motion Compensation	2	3.35, 3.64, 3.132, 3.134, 3.153, 3.154, 3.185, 3.191, 6.1.3.4, 6.2.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.8.7.1, Tables 6-11, 6-20, AMD2-13, AMD2-14, B-1, B-6, B-7, V2-2, V2-39, V2-40
DE	69840082.8	Global Motion Compensation	1	1, 3.64, 3.154, 3.191, 6.1.3.4, 6.2.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.8.7.1, Tables 6-11, 6-20, AMD2-13, AMD2-14, B-1, B-6, B-7, V2-20, V2-39, V2-40
DE	69841007.6	Quantization matrix	1	3.137, 3.185, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2, Table 6-6
DE	69841029	Global Motion Compensation	6	3.107, 6.3.5, 6.3.6, 6.3.6.2, 7.6, 7.6.3, 7.6.5, 7.8.7.3, Fig. 7-20, V2-24, Table 7-5
DE	69841698.8	Random accessible vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11
DE	69842724.6	Random accessible vol	1	6.1.1, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.4, 6.1.3.5, 6.2.2, 6.2.3, 6.3.3, 6.3.5, Table 6-20
DE	69842968	Prediction sample rounding; vop_rounding type	1	3.6, 3.94, 3.127, 3.143, 6.2.3, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7-6, 7.6.2, 7.6.2.1, 7.6.2.2, Fig. 7-1, 7-2, 7-18
DE	69843063	Random accessible vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11
DE	69843068	Random accessible vol	1	3.140, 6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, 7.2
DE	69843113	Prediction sample rounding; vop_rounding type	1	6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
DE	69843114	Prediction sample rounding; vop_rounding type	1	6.2.3, 6.2.5, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
DE	69843115	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 6.2.6, 6.2.6.2, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
DE	69910805	Random reproduction	2	6.2.3, 6.2.4, 6.3.3
DE	69923725	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
DE	501 03 996.1	Interlace VOP	12	1, 3.35, 3.52, 3.60, 3.61, 3.80, 3.89, 3.92, 3.107, 3.116, 3.131, 6.1.3.4, 6.2.6.3, 6.3.6.3, 7.3, 7.7.2.1, Fig. 6-2
DE	599 01 416.4	Motion vector prediction	1	1, 3.14, 3.35, 3.82, 3.107, 3.116, 3.131, 3.185, 7, 7.3, 7.6, 7.6.3, 7.6.5, Fig. 7-20
DE	698 43 427.7	VOP time code	1	3.12, 3.61, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.5, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7.1, Fig. 7-2, Tables 6-15, 6-19
DE	698 43 428.5	VOP time code	1	3.12, 3.61, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.5, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7.1, Fig. 7-2, Tables 6-15, 6-19
DE	698 43 432.3	Prediction sample rounding; vop_rounding type	1	3.49, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Annex D.1, Figs. 7-1, 7-2, 7-18
DE	698 43 436.6	Prediction sample rounding; vop_rounding type	1	3.64, 3.127, 3.143, 3.154, 6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
DE	698 43 437.4	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
DE	698 43 486.2	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
DE	698 43 527.3	Global Motion Compensation	1	3.6, 3.64, 3.81, 3.107, 3.114, 3.132, 3.141, 3.143, 3.154, 3.185, 6.2.6, 6.3, 6.3.1, 6.3.5, 6.3.6, 7, 7.1, 7.3, 7.4, 7.6.3, Figs. 7-2, 7-3, Tables 6-20, B-4
DE	698 43 528.1	Global Motion Compensation	1	3.6, 3.64, 3.81, 3.107, 3.114, 3.132, 3.141, 3.143, 3.154, 3.185, 6.2.6, 6.3, 6.3.1, 6.3.5, 6.3.6, 7, 7.1, 7.3, 7.4, 7.6.3, Figs. 7-2, 7-3, Tables 6-20, B-4
DK	443,676	VOP coding types	1	1, 3.96, 3.116, 3.161, 3.6, 6.1.3.5, 6.2.5, 6.3.5, Table 6-24
DK	460,751	VBV Buffer	1	Intro., 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
DK	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
DK	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
DK	638,218	Mismatch control	1	7.4.4.5, 7.4.5
DK	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
DK	954,182	Mismatch control	1	7.4.4.5, 7.4.5
DK	1002429	Time base	1	1, 6.25, 6.35
DK	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
DK	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
DK	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
ES	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
ES	880,286	Temporal scalability	3	Intro., 3.174, 3.202, 6.2.3, 6.3.3, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3, 7.9.1.3.2, 7.9.1.3.3, 7.9.1.3.4, 7.9.1.3.5, Fig. 23

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
ES	0893925	DC/AC coefficient prediction	1	3.11, 3.31, 3.107, 6.3.6, 7.4, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-4, 7-5, 7-6, Table AMD2-13
ES	0903042	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.1.3.2, 6.2.2, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 7, 7.1, 7.3, 7.4.2, 7.4.4, 7.4.4.1.2, 7.4.5, 7.16.4.2.1, Figs. 7-2, 7-3
ES	914,008	Frame display cycle	1	1, 3.106, 3.221, 6.3.3
ES	954,182	Mismatch control	1	7.4.4.5, 7.4.5
ES	1002429	Time base	1	1, 6.25, 6.35
ES	1113672	Quantization matrix	1	1, 3.230, 6.2.3, 6.3.2, 6.3.3, 7, 7.4, 7.4.2, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, Fig. 7-3, 7-4, 7-7, Tables 9-4, 9-8
ES	1113673	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2
ES	1124380	DC/AC coefficient prediction	1	1, 3.5, 3.14, 3.35, 3.47, 3.55, 3.92, 3.107, 6.1.3.8, 7.3, 7.4, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.5, 7.7, 7.7.1, Figs. 6-5, 6-6, 6-7, 7-3, 7-5, 7-6, 7-26, Tables 7-1, AMD2-13, AMD2-14
ES	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
ES	1,237,376	Prediction sample rounding; vop_rounding type	1	3.49, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Annex D.1, Figs. 7-1, 7-2, 7-18
ES	1343330	VOP time base	1	6.2, 6.2.3, 6.2.4, 6.3.4, 6.3.5, Tables 6-23, 9-1, 9-5
ES	1397006	Quantization matrix	1	3.137, 3.185, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2, Table 6-6
ES	2111152	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
ES	2,137,358	Mismatch control	1	7.4.4.5, 7.4.5
ES	2158570	Time base	1	3.221, 6.2.5, 6.2.5.2, 6.3.5, 7.7.2.2
ES	2164412	Shape-adaptive transforms (SA-DCT, inverse SA-DCT)	1	3.12, 3.12.3, 3.12.4, 3.137, 3.157, 6.3.3, 7.3, 7.4, 7.4.5, 9.1, 9.2, Annex A.3, A.4, Table 9-2, Fig. 7-3
ES	2170744	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2, Figs. 7.4(a)-(c)
ES	2170745	DC/AC coefficient prediction	1	7.4, 7.4.1, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.3, 7.4.4, Figs. 7-3, 7-5
ES	2170954	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
ES	2171377	DC/AC coefficient prediction	7	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
ES	2187487	Frame display cycle	1	6.3.3, 6.3.5, 7
ES	2188572	Frame display cycle	1	6.2.3, 6.3.3
ES	2195966	Frame display cycle	1	3.14, 3.106, 3.221, 6.1, 6.1.3, 6.2.3, 6.2.5, 6.3.3, 6.3.5
ES	2198058	SA-DCT	16	3.12, 3.13, 3.137, 6.3.3, 7, 7.4.5
ES	2200998	Frame display cycle	1	3.221, 6.1, 6.1.3.2, 6.1.3.4, 6.1.3.6, 6.3.3, 6.3.4, 6.3.5, Table 6-23
ES	2203383	Prediction decoding	1	Intro., 3.173, 3.175, 5.2.4, 6.1.3.9, 6.1, 6.2.1, 6.2.2, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.6.7, Fig. 7-38
ES	2204777	Random reproduction	2	6.2.3, 6.2.4, 6.3.3
ES	2205323	Prediction sample rounding	1	3.6, 3.94, 3.127, 3.143, 3.185, 6.2.3, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
ES	2236979	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
ES	2,271,116	Prediction sample rounding; vop_rounding type	1	6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
ES	2,271,117	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 6.2.6, 6.2.6.2, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
ES	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
ES	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
ES	2,285,119	Prediction sample rounding; vop_rounding type	1	3.64, 3.127, 3.143, 3.154, 6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
ES	2,288,164	Prediction sample rounding; vop_rounding type	1	6.2.3, 6.2.5, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
ES	2,288,165	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
ES	2,288,166	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
ES	2,405,318	Prediction sample rounding; vop_rounding type	1	3.6, 3.94, 3.127, 3.143, 6.2.3, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7-6, 7.6.2, 7.6.2.1, 7.6.2.2, Fig. 7-1, 7-2, 7-18
FI	98,421	Saturation control	4	7, 7.1, 7.4.4, 7.4.4.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.4, 7.4.5, Figs. 7-1, 7-2, 7-3, 7-7, Tables B-13, B-14
FI	884,912	Prediction sample rounding	1	3.6, 3.94, 3.127, 3.143, 3.185, 6.2.3, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
FI	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
FI	1002429	Time base	1	1, 6.25, 6.35
FI	1025706	Shape coding of B-VOPs	1	Intro., 1, 3.12, 6.1.3.5, 6.3.5.3, 7, 7.5.2.1.2, 7.5, Table 6-30
FI	1026899	Random_accessible_vol	1	1, 6.1.2, 6.1.3, 6.2.3, 6.3.3, 7.2, 9.1, 9.2
FI	1056294	Prediction sample rounding	1	1, 3, 4.1, 6.2, 6.2.3, 6.2.5, 6.3.5, 7.3, 7.6, 7.6.2.1, Figs. 7-2, 7-18, Tables 9-1, 9-2
FI	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
FI	1,237,376	Prediction sample rounding; vop_rounding type	1	3.49, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Annex D.1, Figs. 7-1, 7-2, 7-18
FI	1,237,377	Prediction sample rounding; vop_rounding type	1	3.6, 3.94, 3.127, 3.143, 6.2.3, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7-6, 7.6.2, 7.6.2.1, 7.6.2.2, Fig. 7-1, 7-2, 7-18
FI	1558038	Random_accessible_vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11
FI	2,200,314	Random_accessible_vol	1	6.1.1, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.4, 6.1.3.5, 6.2.2, 6.2.3, 6.3.3, 6.3.5, Table 6-20
FI	2,271,116	Prediction sample rounding; vop_rounding type	1	6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
FI	2,271,117	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 6.2.6, 6.2.6.2, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
FI	2,285,119	Prediction sample rounding; vop_rounding type	1	3.64, 3.127, 3.143, 3.154, 6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
FI	2,288,164	Prediction sample rounding; vop_rounding type	1	6.2.3, 6.2.5, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
FI	2,288,165	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
FI	2,288,166	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
FI	2,306,721	Random_accessible_vol	1	3.140, 6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, 7.2
FI	2,306,722	Random_accessible_vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11
FR	260,748	VLC events including run & level	1, 10	0.5.4, 7, 7.1, 7.4.1.2, 7.4.2, 7.4.3.4, Tables B-16, B-17, B-23, Fig. 7-2
FR	279,053	P-VOP decoding	1	Intro., 3.95, 6, 7, 7.1, 7.3, Fig. 7-2, Table B-1
FR	290,085	Macroblock	1	3.146, 6.3.6, 6.3.6.2, 6.3.7, Annexes B.1, B.1.1, B.1.2, B.6, B.7
FR	379,217	B-VOP coding	1	Intro., 3.116, 3.133, 6.1.3.2, 6.1.3.3, 6.1.3.4
FR	395,709	VLC escape coding	5	Intro., 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Tables B-16 to B-18, B-23 to B-25
FR	414,193	Saturation control	4	7, 7.1, 7.4.4, 7.4.4.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.4, 7.4.5, Figs. 7-1, 7-2, 7-3, 7-7, Tables B-13, B-14
FR	424,026	B-VOPs	6	3.185, 6.1.3.4, 6.1.3.5, 6.1.3.7, 6.1.3.8, 7.3, 7.6, 7.6.7
FR	443,676	VOP coding types	1	1, 3.96, 3.116, 3.161, 3.6, 6.1.3.5, 6.2.5, 6.3.5, Table 6-24
FR	456,433	Broken link	4	6.1.3.4, 6.1.3.5, 6.1.3.7, 6.2.4, 6.3.4
FR	460,751	VBV Buffer	1	Intro., 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
FR	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
FR	527,011	Motion vector range	1	Intro., 3.114 to 3.116, 6.3, 6.3.5, 6.3.6, 6.3.6.2, 7.6.3, Table B-12
FR	572,046	B-VOP decoding	1	Intro., 3.133, 6.1.3.4, 6.1.3.7, 7.1, 7.3, 7.4, Fig. 7-2
FR	0580454	Inverse scan selection	10	3.82, 3.107, 6.3.3, 6.3.5.2, 7.1, 7.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.2, Fig. 7-2, 7-3, 7-4
FR	584,840	B-VOP decoding	1	Intro., 6.1.3.4, 6.1.3.7, 6.2.5, 6.3.5, 7.1, 7.4, 7.4.1, 7.4.2, 7.4.4, 7.4.5, Figs. 7-2, 7-3, Table 6-20
FR	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
FR	638,218	Mismatch control	1	7.4.4.5, 7.4.5
FR	725545	Subframe timing	1	3.106, 3.137, 3.221, 6.2.5, 6.2.5.2, 6.3.5
FR	731,608	Partial VOP temporal scalability	8	Intro., 3.14, 3.124, 3.137, 3.149, 3.221, 6.1.3, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 7.5, 7.9, 7.9.1, 7.9.1.1, Table 9-5, Fig. 7-52
FR	731,614	VLC escape coding	1	6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.6, 7.1, 7.2, 7.3, Fig. 7-2, Tables B-8 to B-11
FR	732,855	Data partitioning	4	6.3.7, 7.1, 7.4.1, 7.4.1.2, 7.4.1.3, Fig. 7-2, Table B-23
FR	753,970	Temporal scalability	7	1, 6.3.3, 7.5, 7.5.1, 7.5.1.2, 7.9, 7.9.1, Fig. 7-52, Tables 6-22, 9-1
FR	843,484	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
FR	864228	Time base	1	3.221, 6.2.5, 6.2.5.2, 6.3.5, 7.7.2.2
FR	873,018	VLC/Escape code decoding	1	3.5, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Table B.16, B.17, B.19, B.20, B.23
FR	880,286	Temporal scalability	3	Intro., 3.174, 3.202, 6.2.3, 6.3.3, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3, 7.9.1.3.2, 7.9.1.3.3, 7.9.1.3.4, 7.9.1.3.5, Fig. 23
FR	884,693	Upsampling	1	7.5, 7.5.2.5.3, 9.1, Tables 9-1, 9-5, Figs. 7-16, 7-17
FR	884,912	Prediction sample rounding	1	3.6, 3.94, 3.127, 3.143, 3.185, 6.2.3, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
FR	890,921	Upsampling	1	Intro., 7.5, 7.5.2, 7.5.2.5, 7.5.2.5.2, 7.5.2.5.3, 9.1, 9.2, Figs. 7-13, 7-14, Tables 9-1, 9-2
FR	0893925	DC/AC coefficient prediction	1	3.11, 3.31, 3.107, 6.3.6, 7.4, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-4, 7-5, 7-6, Table AMD2-13
FR	0903042	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.1.3.2, 6.2.2, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 7, 7.1, 7.3, 7.4.2, 7.4.4, 7.4.4.1.2, 7.4.5, 7.16.4.2.1, Figs. 7-2, 7-3
FR	0905980	Sprite decoding	1	3.12, 3.52, 3.64, 3.141, 3.143, 4.1, 6.2.3, 6.2.5, 6.2.5.4, 6.3.3, 6.3.5.4, 7.8, 7.8.2, 7.8.4, 7.8.5, 7.8.6, Fig. 7-30, Table 6-16, B-33
FR	909,099	VOP time code	8	6.2.5, 6.2.5.2, 6.2.5.3, 6.3.5, 9.1, 9.2, Table 9-1
FR	914,008	Frame display cycle	1	1, 3.106, 3.221, 6.3.3
FR	921688	Global Motion Compensation	3	3.64, 3.107, 6.3.5, 6.3.6, 6.3.6.2, 7.6, 7.6.3, 7.6.5, 7.8.7.3, Fig. 7-20, V2-24, Table 7-5, AMD2-13, AMD2-14
FR	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
FR	954,182	Mismatch control	1	7.4.4.5, 7.4.5
FR	956,703	Shape-adaptive transforms (SA-DCT, inverse SA-DCT)	1	3.12, 3.123, 3.124, 3.137, 3.157, 6.3.3, 7.3, 7.4, 7.4.5, 9.1, 9.2, Annex A.3, A.4, Table 9-2, Fig. 7-3
FR	961,498	Binary shape decoding	1	3.12, 3.13, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.2.6.1, 6.3.5, 6.3.3, 6.3.6.1, 7.5, 7.5.2.5, 7.5.2.5.3, Fig. 7-2, Table 6-16, 9-1, 9-5, B.31
FR	0961499	Global Motion Compensation	2	3.35, 3.64, 3.132, 3.134, 3.153, 3.154, 3.185, 3.191, 6.1.3.4, 6.2.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.8.7.1, Tables 6-11, 6-20, AMD2-13, AMD2-14, B-1, B-6, B-7, V2-2, V2-39, V2-40
FR	981,909	SA-DCT	16	3.12, 3.13, 3.137, 6.3.3, 7.4.5
FR	987,900	VLC table selection	5	6.3, 6.3.5, 6.3.6, 7, 7.4.1.4, 7.4.4, Tables 6-25, 6-32, B-1, B-6, B-7, B-13 to B-15, B-20, Fig. 7-103
FR	1002429	Time base	1	1, 6.25, 6.35
FR	1025704	Interpolation filtering	2	Intro., 7.6, 7.6.2.1, 7.6.2.2, 7.6.2.2.1, Figs. 7-18, V2-17, V2-18
FR	1025706	Shape coding of B-VOPs	1	Intro., 1, 3.12, 6.1.3.5, 6.3.5.3, 7, 7.5.2.1.2, 7.5, Table 6-30
FR	1026899	Random accessible vol	1	1, 6.1.2, 6.1.3, 6.2.3, 6.3.3, 7.2, 9.1, 9.2,
FR	1032219	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5, Tables 6-28, 6-29
FR	1056294	Prediction sample rounding	1	1, 3, 4.1, 6.2, 6.2.3, 6.2.5, 6.3.5, 7.3, 7.6, 7.6.2.1, Figs. 7-2, 7-18, Tables 9-1, 9-2
FR	1065883	Prediction decoding	1	Intro., 3.173, 3.175, 5.2.4, 6.1.3.9, 6.1, 6.2.1, 6.2.2, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.6.7, Fig. 7-38
FR	1,096,801	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2, Figs. 7.4(a)-(c)
FR	1,096,802	DC/AC coefficient prediction	7	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
FR	1098528	DC/AC coefficient prediction	1	7.4, 7.4.1, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.3, 7.4.4, Figs. 7-3, 7-5
FR	1,100,272	VLC/Escape code decoding	1	3.5, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Table B.16, B.17, B.21 to B.23
FR	1100273	VLC/Escape code decoding	1	7, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.2, Table B.16, B.17, B.18, B.23, B.24, B.25
FR	1100274	VLC/Escape code decoding	1	7, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.2, Table B.16, B.17, B.18, B.19, B.20, B.23, B.24, B.25
FR	1,104,972	VLC/Escape code decoding	1	7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Fig. 7-3, Tables B.16, B.17, B.19, B.20, B.23
FR	1,110,407	Motion vector prediction	1	1, 3.14, 3.35, 3.82, 3.107, 3.116, 3.131, 3.185, 7, 7.3, 7.6, 7.6.3, 7.6.5, Fig. 7-20
FR	1113672	Quantization matrix	1	1, 3.230, 6.2.3, 6.3.2, 6.3.3, 7, 7.4, 7.4.2, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, Fig. 7-3, 7-4, 7-7, Tables 9-4, 9-8
FR	1113673	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2
FR	1,117,258	Frame display cycle	1	6.3.3, 6.3.5, 7
FR	1,117,259	Frame display cycle	1	6.2.3, 6.3.3
FR	1,117,260	Frame display cycle	1	3.14, 3.106, 3.221, 6.1, 6.1.3, 6.2.3, 6.2.5, 6.3.3, 6.3.5
FR	1,117,261	Frame display cycle	1	3.221, 6.1, 6.1.3.2, 6.1.3.4, 6.1.3.6, 6.3.3, 6.3.4, 6.3.5, Table 6-23
FR	1119199	Random reproduction	2	6.2.3, 6.2.4, 6.3.3
FR	1124380	DC/AC coefficient prediction	1	1, 3.5, 3.14, 3.35, 3.47, 3.55, 3.92, 3.107, 6.1.3.8, 7.3, 7.4, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.5, 7.7, 7.7.1, Figs. 6-5, 6-6, 6-7, 7-3, 7-5, 7-6, 7-26, Tables 7-1, AMD2-13, AMD2-14
FR	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
FR	1,237,376	Prediction sample rounding; vop_rounding type	1	3.49, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Annex D.1, Figs. 7-1, 7-2, 7-18
FR	1,237,377	Prediction sample rounding; vop_rounding type	1	3.6, 3.94, 3.127, 3.143, 6.2.3, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7-6, 7.6.2, 7.6.2.1, 7.6.2.2, Fig. 7-1, 7-2, 7-18
FR	1,267,582	Reversible VLC	1	3.214, 6.2.3, 6.3.3, 7.4.1.2, 7.4.1.3, Tables B.16, B.17, B.23, B.24, B.25
FR	1,279,291	Interlace VOP	12	1, 3.35, 3.52, 3.60, 3.61, 3.80, 3.89, 3.92, 3.107, 3.116, 3.131, 6.1.3.4, 6.2.6.3, 6.3.6.3, 7.3, 7.7.2.1, Fig. 6-2
FR	1328125	MPEG-4/H.263	1	5.1.3, 5.2, 5.3, 6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5, 6.3.5.2, Tables 6-28, 6-29, 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
FR	1343330	VOP time base	1	6.2, 6.2.3, 6.2.4, 6.3.4, 6.3.5, Tables 6-23, 9-1, 9-5
FR	1397006	Quantization matrix	1	3.137, 3.185, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2, Table 6-6
FR	1,441,536	VLC table selection	1	3.55, 3.178, 3.193, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.4.2, Tables 6-21, B-13 to B-18, B-20 to B-25, Figs. 7-3, 7-4
FR	1,445,962	VLC table selection	1	3.139, 3.178, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.4.2, Figs. 7-3, 7-4, Tables 6-21, B-13 to B-25
FR	1,455,536	Upsampling	1	6.3.5, 7, 7.3, 7.4, 7.4.6, Figs. 7-1, 7-3, 7-8, Table 9-2
FR	1558038	Random accessible vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11
FR	1560439	VLC/Escape code decoding	1	6.2.7, 7.1, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 9.1, 9.2, Fig. 7-2, Tables 9-2, B-16, B-17, B-21 to B-25
FR	1565002	MPEG-4/H.263 Header	1	1, 3.14, 6.1.1, 6.1.2, 6.1.3, 6.2.2, 6.3, 6.3.1, 6.3.2, 6.3.3, Tables 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
FR	1565003	MPEG-4/H.263	1	1, 3.47, 3.102, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.4.1.1, 7.4.4, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.2.1, 7.4.4.3, Figs. 7-3, 7-7, Tables 6-27, 7-1, 9-1, 9-2, B-1, B-6, B-7
FR	1565004	MPEG-4/H.263	1	1, 3.5, 3.14, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, Fig. 7-3, Tables 9-1, 9-2, B-16, B-17, B-23, B-24, B-25
FR	1,648,176	Upsampling	4	6.3.5, 7.1, 7.4, 7.4.6, 7.4.6.2, 9.2, Figs. 7-2, 7-3, 7-8, 7-10
FR	1725045	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.8, 7.8.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7, 7.8.7.1, Fig. 7-30, 7-2, Table 6-20, B-33, V2-2
FR	1725046	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.114, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Fig. 7-2, 7-30, Tables 6-16, 6-17, 6-20, 7-30, B-33, AMD2-13, AMD2-14, V2-2
FR	1725047	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.6.2, 7.8, 7.8.1, 7.8.4, 7.8.5, 7.8.6, Figs. 7-2, 7-30, 7-31, Tables 6-17, 6-20, AMD2-13, AMD2-14, V2-2
FR	1809037	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5, 6.3.5.2, 6.3.6.2, 7.6.3, Tables 6-24, 6-25, 7-5, 9-1, 9-2
FR	1809038	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, 7.4.4, 7.4.4.1, 7.4.4.2, Tables 6-24, 6-25, 9-1, 9-2
FR	1809039	MPEG-4/H.263	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, 7, Tables 6-14, 6-24, 9-1, 9-2
FR	1809044	Global Motion Compensation	1	1, 3.64, 3.154, 3.191, 6.1.3.4, 6.2.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.8.7.1, Tables 6-11, 6-20, AMD2-13, AMD2-14, B-1, B-6, B-7, V2-20, V2-39, V2-40
FR	1809045	MPEG-4/H.263	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.7, 6.3.3, 6.3.5, 6.3.7, 7.4.1.1, Annex B, Tables 9-1, 9-2, B-13, B-14, B-15
FR	1809046	MPEG-4/H.263	1	6.3.2, 6.3.3, 7.4, 7.4.1.3, Fig. 7-3, Tables 9-1, 9-2, B-16, B-17, B-18, B-19, B-20, B-21, B-22, B-23
FR	1809047	MPEG-4/H.263	1	1, 3.5, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.3.3, 7.4, 7.4.3, 7.4.3.3, Fig. 7-3, Tables 9-1, 9-2, B-1, B-6, B-7
FR	1819173	Global Motion Compensation	6	3.107, 6.3.5, 6.3.6, 6.3.6.2, 7.6, 7.6.3, 7.6.5, 7.8.7.3, Fig. 7-20, V2-24, Table 7-5
FR	1843599	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25, 9-1, 9-2
FR	1843600	MPEG-4/H.263 Header	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, Tables 6-28, 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
FR	1988714	MPEG-4/H.263	1	6.1.3.4, 6.1.3.7, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, 7, Table 6-24
FR	1988715	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25
FR	1988716	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
FR	2,094,013	short video header	1	1, 3.5, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Figs. 7-3, Tables B-16, B-17, B-23
FR	2,200,314	Random accessible vol	1	6.1.1, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.4, 6.1.3.5, 6.2.2, 6.2.3, 6.3.3, 6.3.5, Table 6-20,
FR	2,271,116	Prediction sample rounding; vop_rounding type	1	6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
FR	2,271,117	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 6.2.6, 6.2.6.2, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
FR	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
FR	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
FR	2,278,809	VOP time code	1	3.12, 3.61, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.5, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7.1, Fig. 7-2, Tables 6-15, 6-19
FR	2,278,811	VOP time code	1	3.12, 3.61, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.5, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7.1, Fig. 7-2, Tables 6-15, 6-19
FR	2,285,119	Prediction sample rounding; vop_rounding type	1	3.64, 3.127, 3.143, 3.154, 6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
FR	2,288,164	Prediction sample rounding; vop_rounding type	1	6.2.3, 6.2.5, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
FR	2,288,165	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
FR	2,288,166	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
FR	2,306,721	Random accessible vol	1	3.140, 6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, 7.2,
FR	2,306,722	Random accessible vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11,
FR	2,352,297	Global Motion Compensation	1	3.6, 3.64, 3.81, 3.107, 3.114, 3.132, 3.141, 3.143, 3.154, 3.185, 6.2.6, 6.3, 6.3.1, 6.3.5, 6.3.6, 7, 7.1, 7.3, 7.4, 7.6.3, Figs. 7-2, 7-3, Tables 6-20, B-4
FR	2,369,847	Global Motion Compensation	1	3.6, 3.64, 3.81, 3.107, 3.114, 3.132, 3.141, 3.143, 3.154, 3.185, 6.2.6, 6.3, 6.3.1, 6.3.5, 6.3.6, 7, 7.1, 7.3, 7.4, 7.6.3, Figs. 7-2, 7-3, Tables 6-20, B-4
FR	2,599,577	Skipped Blocks	1	Intro., 6.1.3, 6.1.3.1, 6.1.3.8, 6.1.3.9, 6.2.6, 6.3.6, 7.6.3, Tables B-1, B-2, B-8 to B-11
GB	248,711	Skipped Blocks	1	Intro., 6.1.3, 6.1.3.1, 6.1.3.8, 6.1.3.9, 6.2.6, 6.3.6, 7.6.3, Tables B-1, B-2, B-8 to B-11
GB	260,748	VLC events including run & level	1, 10	0.5.4, 7, 7.1, 7.4.1.2, 7.4.2, 7.4.3.4, Tables B-16, B-17, B-23, Fig. 7-2
GB	279,053	P-VOP decoding	1	Intro., 3.95, 6, 7, 7.1, 7.3, Fig. 7-2, Table B-1
GB	290,085	Macroblock	1	3.146, 6.3.6, 6.3.6.2, 6.3.7, Annexes B.1, B.1.1, B.1.2, B.6, B.7
GB	321,318	Variable transmission rate	11	7.9.1.1, Fig. 7-53
GB	379,217	B-VOP coding	1	Intro., 3.116, 3.133, 6.1.3.2, 6.1.3.3, 6.1.3.4
GB	395,709	VLC escape coding	5	Intro., 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Tables B-16 to B-18, B-23 to B-25
GB	414,193	Saturation control	4	7, 7.1, 7.4.4, 7.4.4.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.4, 7.4.5, Figs. 7-1, 7-2, 7-3, 7-7, Tables B-13, B-14
GB	424,026	B-VOPs	6	3.185, 6.1.3.4, 6.1.3.5, 6.1.3.7, 6.1.3.8, 7.3, 7.6, 7.6.7
GB	443,676	VOP coding types	1	1, 3.96, 3.116, 3.161, 3.6, 6.1.3.5, 6.2.5, 6.3.5, Table 6-24
GB	448,590	Mismatch control	1	7.3, 7.4, 7.4.4.5, Figs. 7-2, 7-3, 7-4, Table 9-1
GB	456,433	Broken link	4	6.1.3.4, 6.1.3.5, 6.1.3.7, 6.2.4, 6.3.4
GB	460,751	VBV Buffer	1	Intro. 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
GB	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.185, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
GB	527,011	Motion vector range	1	Intro., 3.114 to 3.116, 6.3, 6.3.5, 6.3.6, 6.3.6.2, 7.6.3, Table B-12
GB	538,667	Motion vector decoding	19	3.14, 3.107, 3.114, 6.2.6, 6.3.6, 6.3.6.2, 7.3, 7.6.3, 7.6.5, Annex B.1.1, Tables B-1, B-6, B-7, Fig. 7-20
GB	572,046	B-VOP decoding	1	Intro., 3.133, 6.1.3.4, 6.1.3.7, 7.1, 7.3, 7.4, Fig. 7-2
GB	0580454	Inverse scan selection	10	3.82, 3.107, 6.3.3, 6.3.5.2, 7.1, 7.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.2, Fig 7-2, 7-3, 7-4
GB	584,840	B-VOP decoding	1	Intro., 6.1.3.4, 6.1.3.7, 6.2.5, 6.3.5, 7.1, 7.4, 7.4.1, 7.4.2, 7.4.4, 7.4.5, Figs. 7-2, 7-3, Table 6-20
GB	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
GB	638,218	Mismatch control	1	7.4.4.5, 7.4.5
GB	725545	Subframe timing	1	3.106, 3.137, 3.221, 6.2.5, 6.2.5.2, 6.3.5
GB	731,608	Partial VOP temporal scalability	8	Intro., 3.14, 3.124, 3.137, 3.149, 3.221, 6.1.3, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 7.5, 7.9, 7.9.1, 7.9.1.1, Table 9-5, Fig. 7-52
GB	731,614	VLC escape coding	1	6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.6, 7.1, 7.2, 7.3, Fig. 7-2, Tables B-8 to B-11
GB	732,855	Data partitioning	4	6.3.7, 7.1, 7.4.1, 7.4.1.2, 7.4.1.3, Fig. 7-2, Table B-23
GB	753,970	Temporal scalability	7	1, 6.3.3, 7.5, 7.5.1, 7.5.1.2, 7.9, 7.9.1, Fig. 7-52, Tables 6-22, 9-1
GB	843,484	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
GB	864,228	Time base	1	3.221, 6.2.5, 6.2.5.2, 6.3.5, 7.7.2.2
GB	873,018	VLC/Escape code decoding	1	3.5, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Table B.16, B.17, B.19, B.20, B.23
GB	880,286	Temporal scalability	3	Intro., 3.174, 3.202, 6.2.3, 6.3.3, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3, 7.9.1.3.2, 7.9.1.3.3, 7.9.1.3.4, 7.9.1.3.5, Fig. 23
GB	884,693	Upsampling	1	7.5, 7.5.2.5.3, 9.1, Tables 9-1, 9-5, Figs. 7-16, 7-17
GB	884,912	Prediction sample rounding	1	3.6, 3.94, 3.127, 3.143, 3.185, 6.2.3, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
GB	890,921	Upsampling	1	Intro., 7.5, 7.5.2, 7.5.2.5, 7.5.2.5.2, 7.5.2.5.3, 9.1, 9.2, Figs. 7-13, 7-14, Tables 9-1, 9-2
GB	0893925	DC/AC coefficient prediction	1	3.11, 3.31, 3.107, 6.3.6, 7.4, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-4, 7-5, 7-6, Table AMD2-13
GB	0903042	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.1.3.2, 6.2.2, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 7, 7.1, 7.3, 7.4.2, 7.4.4, 7.4.4.1.2, 7.4.5, 7.16.4.2.1, Figs. 7-2, 7-3
GB	0905980	Sprite decoding	1	3.12, 3.52, 3.64, 3.141, 3.143, 4.1, 6.2.3, 6.2.5, 6.2.5.4, 6.3.3, 6.3.5.4, 7.8, 7.8.2, 7.8.4, 7.8.5, 7.8.6, Fig. 7-30, Table 6-16, B-33
GB	909,099	VOP time code	8	6.2.5, 6.2.5.2, 6.2.5.3, 6.3.5, 9.1, 9.2, Table 9-1
GB	914,008	Frame display cycle	1	1, 3.106, 3.221, 6.3.3
GB	921688	Global Motion Compensation	3	3.64, 3.107, 6.3.5, 6.3.6, 6.3.6.2, 7.6, 7.6.3, 7.6.5, 7.8.7.3, Fig. 7-20, V2-24, Table 7-5, AMD2-13, AMD2-14
GB	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
GB	954,182	Mismatch control	1	7.4.4.5, 7.4.5
GB	956,703	Shape-adaptive transforms (SA-DCT, inverse SA-DCT)	1	3.12, 3.123, 3.124, 3.137, 3.157, 6.3.3, 7.3, 7.4, 7.4.5, 9.1, 9.2, Annex A.3, A.4, Table 9-2, Fig. 7-3
GB	961,498	Binary shape decoding	1	3.12, 3.13, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.2.6.1, 6.3.5, 6.3.3, 6.3.6.1, 7.5, 7.5.2.5, 7.5.2.5.3, Fig. 7-2, Table 6-16, 9-1, 9-5, B.31
GB	0961499	Global Motion Compensation	2	3.35, 3.64, 3.132, 3.134, 3.153, 3.154, 3.185, 3.191, 6.1.3.4, 6.2.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.8.7.1, Tables 6-11, 6-20, AMD2-13, AMD2-14, B-1, B-6, B-7, V2-29, V2-40
GB	981,909	SA-DCT	16	3.12, 3.13, 3.137, 6.3.3, 7, 7.4.5
GB	987,900	VLC table selection	5	6.3, 6.3.5, 6.3.6, 7, 7.4.1.4, 7.4.4, Tables 6-25, 6-32, B-1, B-6, B-7, B-13 to B-15, B-20, Fig. 7-103
GB	1002429	Time base	1	1, 6.25, 6.35
GB	1025704	Interpolation filtering	2	Intro., 7.6, 7.6.2.1, 7.6.2.2, 7.6.2.2.1, Figs. 7-18, V2-17, V2-18
GB	1025706	Shape coding of B-VOPs	1	Intro., 1, 3.12, 6.1.3.5, 6.3.5.3, 7, 7.5.2.1.2, 7.5, Table 6-30
GB	1026899	Random accessible vol	1	1, 6.1.2, 6.1.3, 6.2.3, 6.3.3, 7.2, 9.1, 9.2,
GB	1032219	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5, Tables 6-28, 6-29
GB	1056294	Prediction sample rounding	1	1, 3.4, 6.2, 6.2.3, 6.2.5, 6.3.5, 7.3, 7.6, 7.6.2.1, Figs. 7-2, 7-18, Tables 9-1, 9-2
GB	1065883	Prediction decoding	1	Intro., 3.173, 3.175, 5.2.4, 6.1.3.9, 6.1, 6.2.1, 6.2.2, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.6.7, Fig. 7-38
GB	1,096,801	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2, Figs. 7.4(a)-(c)
GB	1,096,802	DC/AC coefficient prediction	7	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
GB	1098528	DC/AC coefficient prediction	1	7.4, 7.4.1, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.3, 7.4.4, Figs. 7-3, 7-5
GB	1,100,272	VLC/Escape code decoding	1	3.5, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Table B.16, B.17, B.21 to B.23
GB	1100273	VLC/Escape code decoding	1	7, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.2, Table B.16, B.17, B.18, B.23, B.24, B.25
GB	1100274	VLC/Escape code decoding	1	7, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.2, Table B.16, B.17, B.18, B.19, B.20, B.23, B.24, B.25
GB	1,104,972	VLC/Escape code decoding	1	7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Fig. 7-3, Tables B.16, B.17, B.19, B.20, B.23
GB	1,110,407	Motion vector prediction	1	1, 3.14, 3.35, 3.82, 3.107, 3.116, 3.131, 3.185, 7, 7.3, 7.6, 7.6.3, 7.6.5, Fig. 7-20
GB	1113672	Quantization matrix	1	1, 3.230, 6.2.3, 6.3.2, 6.3.3, 7, 7.4, 7.4.2, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, Fig. 7-3, 7-4, 7-7, Tables 9-4, 9-8
GB	1113673	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2
GB	1,117,258	Frame display cycle	1	6.3.3, 6.3.5, 7
GB	1,117,259	Frame display cycle	1	6.2.3, 6.3.3
GB	1,117,260	Frame display cycle	1	3.14, 3.106, 3.221, 6.1, 6.1.3, 6.2.3, 6.2.5, 6.3.3, 6.3.5
GB	1,117,261	Frame display cycle	1	3.221, 6.1, 6.1.3.2, 6.1.3.4, 6.1.3.6, 6.3.3, 6.3.4, 6.3.5, Table 6-23

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
GB	1119199	Random reproduction	2	6.2.3, 6.2.4, 6.3.3
GB	1124380	DC/AC coefficient prediction	1	1, 3.5, 3.14, 3.35, 3.47, 3.55, 3.92, 3.107, 6.1.3.8, 7.3, 7.4, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.5, 7.7, 7.7.1, Figs. 6-5, 6-6, 6-7, 7-3, 7-5, 7-6, 7-26, Tables 7-1, AMD2-13, AMD2-14
GB	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
GB	1,237,376	Prediction sample rounding; vop_rounding type	1	3.49, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Annex D.1, Figs. 7-1, 7-2, 7-18
GB	1,237,377	Prediction sample rounding; vop_rounding type	1	3.6, 3.94, 3.127, 3.143, 6.2.3, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7-6, 7.6.2, 7.6.2.1, 7.6.2.2, Fig. 7-1, 7-2, 7-18
GB	1,267,582	Reversible VLC	1	3.214, 6.2.3, 6.3.3, 7.4.1.2, 7.4.1.3, Tables B.16, B.17, B.23, B.24, B.25
GB	1,279,291	Interlace VOP	12	1, 3.35, 3.52, 3.60, 3.61, 3.80, 3.89, 3.92, 3.107, 3.116, 3.131, 6.1.3.4, 6.2.6.3, 6.3.6.3, 7.3, 7.7.2.1, Fig. 6-2
GB	1328125	MPEG-4/H.263	1	5.1.3, 5.2, 5.3, 6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5, 6.3.5.2, Tables 6-28, 6-29, 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
GB	1343330	VOP time base	1	6.2, 6.2.3, 6.2.4, 6.3.4, 6.3.5, Tables 6-23, 9-1, 9-5
GB	1397006	Quantization matrix	1	3.137, 3.185, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2, Table 6-6
GB	1,441,536	VLC table selection	1	3.55, 3.178, 3.193, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.4.2, Tables 6-21, B-13 to B-18, B-20 to B-25, Figs. 7-3, 7-4
GB	1,445,962	VLC table selection	1	3.139, 3.178, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.4.2, Figs. 7-3, 7-4, Tables 6-21, B-13 to B-25
GB	1,455,536	Upsampling	1	6.3.5, 7, 7.3, 7.4, 7.4.6, Figs. 7-1, 7-3, 7-8, Table 9-2
GB	1558038	Random_accessible_vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11
GB	1560439	VLC/Escape code decoding	1	6.2.7, 7.1, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 9.1, 9.2, Fig. 7-2, Tables 9-2, B-16, B-17, B-21 to B-25
GB	1565002	MPEG-4/H.263 Header	1	1, 3.14, 6.1.1, 6.1.2, 6.1.3, 6.2.2, 6.3, 6.3.1, 6.3.2, 6.3.3, Tables 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
GB	1565003	MPEG-4/H.263	1	1, 3.47, 3.102, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.4.1.1, 7.4.4, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.2.1, 7.4.4.3, Figs. 7-3, 7-7, Tables 6-27, 7-1, 9-1, 9-2, B-1, B-6, B-7
GB	1565004	MPEG-4/H.263	1	1, 3.5, 3.14, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, Fig. 7-3, Tables 9-1, 9-2, B-16, B-17, B-23, B-24, B-25
GB	1,648,176	Upsampling	4	6.3.5, 7.1, 7.4, 7.4.6, 7.4.6.2, 9.2, Figs. 7-2, 7-3, 7-8, 7-10
GB	1725045	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.8, 7.8.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7, 7.8.7.1, Fig. 7-30, 7-2, Table 6-20, B-33, V2-2
GB	1725046	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.114, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Fig. 7-2, 7-30, Tables 6-16, 6-17, 6-20, 7-30, B-33, AMD2-13, AMD2-14, V2-2
GB	1725047	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.6.2, 7.8, 7.8.1, 7.8.4, 7.8.5, 7.8.6, Figs. 7-2, 7-30, 7-31, Tables 6-17, 6-20, AMD2-13, AMD2-14, V2-2
GB	1809037	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5, 6.3.5.2, 6.3.6.2, 7.6.3, Tables 6-24, 6-25, 7-5, 9-1, 9-2
GB	1809038	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, 7.4.4, 7.4.4.1, 7.4.4.2, Tables 6-24, 6-25, 9-1, 9-2
GB	1809039	MPEG-4/H.263	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, 7, Tables 6-14, 6-24, 9-1, 9-2
GB	1809044	Global Motion Compensation	1	1, 3.64, 3.154, 3.191, 6.1.3.4, 6.2.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.8.7.1, Tables 6-11, 6-20, AMD2-13, AMD2-14, B-1, B-6, B-7, V2-20, V2-39, V2-40
GB	1809045	MPEG-4/H.263	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.7, 6.3.3, 6.3.5, 6.3.7, 7.4.1.1, Annex B, Tables 9-1, 9-2, B-13, B-14, B-15
GB	1809046	MPEG-4/H.263	1	6.3.2, 6.3.3, 7.4, 7.4.1.3, Fig. 7-3, Tables 9-1, 9-2, B-16, B-17, B-18, B-19, B-20, B-21, B-22, B-23
GB	1809047	MPEG-4/H.263	1	1, 3.5, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.3.3, 7.4, 7.4.3, 7.4.3.3, Fig. 7-3, Tables 9-1, 9-2, B-1, B-6, B-7
GB	1819173	Global Motion Compensation	6	3.107, 6.3.5, 6.3.6, 6.3.6.2, 7.6, 7.6.3, 7.6.5, 7.8.7.3, Fig. 7-20, V2-24, Table 7-5
GB	1843599	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25, 9-1, 9-2
GB	1843600	MPEG-4/H.263 Header	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, Tables 6-28, 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
GB	1988714	MPEG-4/H.263	1	6.1.3.4, 6.1.3.7, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, 7, Table 6-24
GB	1988715	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25
GB	1988716	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25
GB	2,094,013	short video header	1	1, 3.5, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Figs. 7-3, Tables B-16, B-17, B-23
GB	2,200,314	Random_accessible_vol	1	6.1.1, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.4, 6.1.3.5, 6.2.2, 6.2.3, 6.3.3, 6.3.5, Table 6-20,
GB	2,271,116	Prediction sample rounding; vop_rounding type	1	6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
GB	2,271,117	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 6.2.6, 6.2.6.2, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
GB	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
GB	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
GB	2,278,809	VOP time code	1	3.12, 3.61, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.5, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7.1, Fig. 7-2, Tables 6-15, 6-19
GB	2,278,811	VOP time code	1	3.12, 3.61, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.5, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7.1, Fig. 7-2, Tables 6-15, 6-19
GB	2,285,119	Prediction sample rounding; vop_rounding type	1	3.64, 3.127, 3.143, 3.154, 6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
GB	2,288,164	Prediction sample rounding; vop_rounding type	1	6.2.3, 6.2.5, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
GB	2,288,165	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
GB	2,288,166	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
GB	2,306,721	Random_accessible_vol	1	3.140, 6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, 7.2,
GB	2,306,722	Random_accessible_vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11,
GR	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
GR	954,182	Mismatch control	1	7.4.4.5, 7.4.5
GR	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
GR	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
GR	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
GR	3025887	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
GR	3,032,133	Mismatch control	1	7.4.4.5, 7.4.5
GR	3053251	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
IE	81694	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
IE	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
IE	638,218	Mismatch control	1	7.4.4.5, 7.4.5
IE	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
IE	954,182	Mismatch control	1	7.4.4.5, 7.4.5
IE	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
IE	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
IE	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
IT	248,711	Skipped Blocks	1	Intro., 6.1.3, 6.1.3.1, 6.1.3.8, 6.1.3.9, 6.2.6, 6.3.6, 7.6.3, Tables B-1, B-2, B-8 to B-11
IT	260,748	VLC events including run & level	1, 10	0.5.4, 7, 7.1, 7.4.1.2, 7.4.2, 7.4.3.4, Tables B-16, B-17, B-23, Fig. 7-2
IT	279,053	P-VOP decoding	1	Intro., 3.95, 6, 7, 7.1, 7.3, Fig. 7-2, Table B-1
IT	321318	Variable transmission rate	11	7.9.1.1, Fig. 7-53
IT	414,193	Saturation control	4	7, 7.1, 7.4.4, 7.4.4.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.4, 7.4.5, Figs. 7-1, 7-2, 7-3, 7-7, Tables B-13, B-14
IT	443,676	VOP coding types	1	1, 3.96, 3.116, 3.161, 3.6, 6.1.3.5, 6.2.5, 6.3.5, Table 6-24
IT	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
IT	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
IT	638,218	Mismatch control	1	7.4.4.5, 7.4.5
IT	843,484	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
IT	864228	Time base	1	3.221, 6.2.5, 6.2.5.2, 6.3.5, 7.7.2.2
IT	880,286	Temporal scalability	3	Intro., 3.174, 3.202, 6.2.3, 6.3.3, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3, 7.9.1.3.2, 7.9.1.3.3, 7.9.1.3.4, 7.9.1.3.5, Fig. 23
IT	884,912	Prediction sample rounding	1	3.6, 3.94, 3.127, 3.143, 3.185, 6.2.3, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
IT	0893925	DC/AC coefficient prediction	1	3.11, 3.31, 3.107, 6.3.6, 7.4, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-4, 7-5, 7-6, Table AMD2-13

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
IT	0903042	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.1.3.2, 6.2.2, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 7, 7.1, 7.3, 7.4.2, 7.4.4, 7.4.4.1.2, 7.4.5, 7.16.4.2.1, Figs. 7-2, 7-3
IT	909,099	VOP time code	8	6.2.5, 6.2.5.2, 6.2.5.3, 6.3.5, 9.1, 9.2, Table 9-1
IT	914,008	Frame display cycle	1	1, 3.106, 3.221, 6.3.3
IT	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
IT	954,182	Mismatch control	1	7.4.4.5, 7.4.5
IT	956,703	Shape-adaptive transforms (SA-DCT, inverse SA-DCT)	1	3.12, 3.123, 3.124, 3.137, 3.157, 6.3.3, 7.3, 7.4, 7.4.5, 9.1, 9.2, Annex A.3, A.4, Table 9-2, Fig. 7-3
IT	0961499	Global Motion Compensation	2	3.35, 3.64, 3.132, 3.134, 3.153, 3.154, 3.185, 3.191, 6.1.3.4, 6.2.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.8.7.1, Tables 6-11, 6-20, AMD2-13, AMD2-14, B-1, B-6, B-7, V2-2, V2-39, V2-40
IT	981,909	SA-DCT	16	3.12, 3.13, 3.137, 6.3.3, 7, 7.4.5
IT	1002429	Time base	1	1, 6.25, 6.35
IT	1025704	Interpolation filtering	2	Intro., 7.6, 7.6.2.1, 7.6.2.2, 7.6.2.2.1, Figs. 7-18, V2-17, V2-18
IT	1025706	Shape coding of B-VOPs	1	Intro., 1, 3.12, 6.1.3.5, 6.3.5.3, 7, 7.5.2.1.2, 7.5, Table 6-30
IT	1065883	Prediction decoding	1	Intro., 3.173, 3.175, 5.2.4, 6.1.3.9, 6.1, 6.2.1, 6.2.2, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.6.7, Fig. 7-38
IT	1,096,801	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3.1, 7.4.3.2, Figs. 7.4(a)-(c)
IT	1,096,802	DC/AC coefficient prediction	7	7.4, 7.4.2, 7.4.3.1, 7.4.3.2
IT	1098528	DC/AC coefficient prediction	1	7.4, 7.4.1, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.3, 7.4.4, Figs. 7-3, 7-5
IT	1113673	Quantization matrix generation	1	3.137, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2
IT	1,117,258	Frame display cycle	1	6.3.3, 6.3.5, 7
IT	1,117,259	Frame display cycle	1	6.2.3, 6.3.3
IT	1,117,260	Frame display cycle	1	3.14, 3.106, 3.221, 6.1, 6.1.3, 6.2.3, 6.2.5, 6.3.3, 6.3.5
IT	1,117,261	Frame display cycle	1	3.221, 6.1, 6.1.3.2, 6.1.3.4, 6.1.3.6, 6.3.3, 6.3.4, 6.3.5, Table 6-23
IT	1119199	Random reproduction	2	6.2.3, 6.2.4, 6.3.3
IT	1124380	DC/AC coefficient prediction	1	1, 3.5, 3.14, 3.35, 3.47, 3.55, 3.92, 3.107, 6.1.3.8, 7.3, 7.4, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.5, 7.7, 7.7.1, Figs. 6-5, 6-6, 6-7, 7-3, 7-5, 7-6, 7-26, Tables 7-1, AMD2-13, AMD2-14
IT	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
IT	1,237,376	Prediction sample rounding; vop_rounding type	1	3.49, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Annex D.1, Figs. 7-1, 7-2, 7-18
IT	1,237,377	Prediction sample rounding; vop_rounding type	1	3.6, 3.94, 3.127, 3.143, 6.2.3, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7-6, 7.6.2, 7.6.2.1, 7.6.2.2, Fig. 7-1, 7-2, 7-18
IT	1343330	VOP time base	1	6.2, 6.2.3, 6.2.4, 6.3.4, 6.3.5, Tables 6-23, 9-1, 9-5
IT	1397006	Quantization matrix	1	3.137, 3.185, 6.1, 6.1.1, 6.1.2, 6.2.2, 6.2.3, 6.3.3, 7, 7.1, Fig. 7-2, Table 6-6
IT	1809044	Global Motion Compensation	1	1, 3.64, 3.154, 3.191, 6.1.3.4, 6.2.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.8.7.1, Tables 6-11, 6-20, AMD2-13, AMD2-14, B-1, B-6, B-7, V2-20, V2-39, V2-40
IT	2,271,116	Prediction sample rounding; vop_rounding type	1	6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
IT	2,271,117	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 6.2.6, 6.2.6.2, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
IT	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
IT	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
IT	2,285,119	Prediction sample rounding; vop_rounding type	1	3.64, 3.127, 3.143, 3.154, 6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
IT	2,288,164	Prediction sample rounding; vop_rounding type	1	6.2.3, 6.2.5, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
IT	2,288,165	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
IT	2,288,166	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
IT	27221/BE/2002	Motion vector prediction	1	1, 3.14, 3.35, 3.82, 3.107, 3.116, 3.131, 3.185, 7, 7.3, 7.6, 7.6.3, 7.6.5, Fig. 7-20
IT	52497 BE/97	VBV Buffer	1	Intro., 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
IT	70254/BE/05	Quantization matrix	1	1, 3.230, 6.2.3, 6.3.2, 6.3.3, 7, 7.4, 7.4.2, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, Fig. 7-3, 7-4, 7-7, Tables 9-4, 9-8
JP	1,835,550	Forward & backward prediction	1	7.6.9, 7.6.9.2, 7.6.9.3
JP	1,869,940	CBPY coding	1	6.3.6, Table B-8, Fig. 7-2
JP	2,046,808	Mismatch control	1	7.1, 7.3, 7.4, 7.4.4, 7.4.4.5, Figs. 7-2, 7-3, 7-7
JP	2,072,546	Direct mode motion compensation	1	7.6.9.5, 7.6.9.5.1, 7.6.9.5.2, Fig. 7-25
JP	2,128,624	Saturation control	3	3.155, 7.4, 7.4.4, 7.4.4.4, Figs. 7-3, 7-7
JP	2,137,325	B-VOP coding	1	7.6.9, 7.6.9.2, 7.6.9.3, 7.6.9.4
JP	2,510,456	CBPY coding, MCBPC coding	1	6.1.3.9, 6.3.6, 6.3.7, Tables B-6, B-7, B-8
JP	2,562,499	dct type	1	6.1.3.8, 6.1.3.9, 6.3.6.3, Figs. 6-7, 6-8
JP	2,630,809	Macroblock	1	3.16, 3.137, 3.221, 6.3.6, 7.6, 7.6.7, Annex B, B.1.1, B.1.2, Tables B.1, B.6 - B.11
JP	2,661,220	Temporal enhancement	1	6.2, 6.3, 6.3.3, 7.9.1.1, 7.9.2.3, Annex D2, Figs. 7-33, 7-34
JP	2,665,127	Mode data/motion vector	9	6.3.6, 6.3.6.2, 7.1, 7.3, 7.4, 7.6.3, 7.6.7, B.1.1, B.1.2
JP	2,711,665	VLC events including run & level	1	7.4.1.2, 7.4.2, 7.4.4, 7.4.5, Tables B-16, B-17, Figs. 7-4, 7-7
JP	2,712,645	Motion vector coding	1	6.3.5, 6.3.6.2, 7.6.3, Table B-12
JP	2,790,509	VLC escape coding	3	3.178, 7.4.1, 7.4.1.2, 7.4.1.3, B.1.4, Tables B-17, B-18
JP	2,791,822	VLC	1	3.33, 3.135, 6.1.3.7.1, 6.1.3.7.2, 6.1.3.7.3, 7.4, Fig. 7-3, Tables B-13, B-14
JP	2,794,899	qob_number, qob_laver	1	3.61, 3.91, 6.2.5.2, 6.3.5.2, Table 6-25
JP	2,812,446	Inter/Intra VLC table selection	1	7.4.1, 7.4.1.2, Tables B-16, B-17, B-23
JP	2,823,843	Shape adaptive DCT	1	7.4.2, Annex A.3, A.3.1, A.3.2
JP	2,874,745	Broken link	1	6.1.3.7, 6.3.4
JP	2,877,225	Broken link, closed gov	1	6.1.3.4, 6.3.4
JP	2,898,212	video_session_error_code	1	6.2.1, Table 6-3
JP	2,914,448	Global Motion Compensation	1	3.75, 6.3.6, 7.6.3, 7.6.5, 7.8.7.3, Fig. 7-34
JP	2,951,861	VLC table selection	3	6.3.6, Tables B-7, B-8
JP	2,952,226	Global Motion Compensation	1	3.75, 6.2.6, 6.3.6
JP	2,955,363	VLC events including run, level & end	1	6.2.7, 7.4.1.2, 7.4.2, 7.4.4, 7.4.5
JP	2,969,782	Broken link	1	6.1.3.7, 6.3.4
JP	2,977,104	Encoding interlaced VOPs	1	6.3.5
JP	2,998,741	Prediction sample rounding	5	6.3.5, 7.6.2.1, Fig. 7-18
JP	3,011,680	Reversible VLC	11	5.2.4, 5.2.5, 6.2.1, 6.3.3, Tables 6-2, B-23
JP	3,030,028	Reversible VLC	11	5.2.4, 5.2.5, 6.2.1, 6.3.3, Tables 6-2, B-23
JP	3,062,507	Shape decoding	4	3.11, 6.2.3, 6.2.5, 6.2.6, 6.3.3, 6.3.5, 7.1, 7.5, Fig. 7-2
JP	3,086,396	Enhancement_type	7	6.3.3, 6.3.5, 7.9.1.1, 7.9.1.3.4, 7.9.1.3.5
JP	3,092,610	Prediction sample rounding	1	4.1, 6.3.5, 7.6.2.1, Fig. 7-18
JP	3,092,613	Prediction sample rounding	2	4.1, 6.3.5, 7.6.2.1, Fig. 7-18
JP	3,098,939	Temporal scalability	6	6.2.5, 6.2.6, 6.3.3, 6.3.5, 7.1, 7.5, 7.9, 7.9.1, 7.9.1.2, 7.9.1.3, Figs. 7-2, 7-33, Table 9-1
JP	3,101,262	Shape decoding	4	3.10, 6.2.5, 6.2.5.3, 6.3.5, 6.3.5.3, 7.5.2.5, Fig. 7-2, Table B-31
JP	3,103,383	VLC/Escape code decoding	1	7.4, 7.4.1, 7.4.1.2, 7.4.1.3
JP	3,118,237	DC/AC coefficient prediction	1	7.4, 7.4.3, 7.4.3.1, 7.4.3.3, Figs. 7-3, 7-5, 7-6
JP	3,122,445	Source format, vop_width/vop_height	1	6.3.5, 6.3.5.2, Table 6-25
JP	3,135,061	VLC/Escape code decoding	1	7.4.1, 7.4.1.3, Tables B-16, B-17, B-21, B-22
JP	3,135,062	VLC/Escape code decoding	1	7.4.1, 7.4.1.3, Tables B-16, B-17, B-19, B-20
JP	3,145,908	Reversible VLC	1	6.3.3, 9.1, Tables 6-10, 9-1
JP	3,149,417	DC/AC coefficient prediction	1	6.3.6, 7.4, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-5, 7-6
JP	3,149,418	DC/AC coefficient prediction	1	6.3.6, 7.4, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-4, 7-5, 7-6
JP	3,157,144	DC/AC coefficient prediction	1	7.4, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-5, 7-6

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
JP	3,158,064	Temporal scalability	4	6.2.2, 6.2.3, 6.3.3, 7.1, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3, 7.9.1.3.2, 7.9.1.3.3, Figs 6-19, 7-2, 7-33
JP	3,162,110	VBV Buffer	1	Intro., 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
JP	3,164,806	Reversible VLC	7	6.3.3, 7.4.1.3, Table B-23
JP	3,174,586	VOP coding types	1	3.8, 3.123, 3.157, 6.1.3.5, 6.2.5, 6.3.5, 7.6.7, Table 6-24, Fig. 7-38
JP	3,186,775	VOP time recovery	1	6.3.3, 6.3.5
JP	3,191,935	Decoding pictures of dimension video object layer height	10	6.3.3
JP	3,197,264	VOP time recovery	1	6.3.4, 6.3.5
JP	3,197,420	Motion compensation with padding	1	7.6.1, 7.6.1.1, 7.6.1.2, 7.6.1.3
JP	3,217,771	Reversible VLC	7	5.2.4, 5.2.5, 6.2.1, 6.3.3, Annex B.1.4, Table 6-2, B.23
JP	3,218,874	Global Motion Compensation	4	6.2.5.4, 6.3.3, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Fig. 7-49, Table 6-21
JP	3,232,052	VOP time code	1	6.3.3, 6.3.5, Table 6-15
JP	3,232,080	VOP timing	1	6.3.3, 6.3.5
JP	3,232,081	VOP timing	1	6.3.3, 6.3.5
JP	3,232,082	VOP time code	1	6.3.3, 6.3.5, Table 6-15
JP	3,233,360	Reversible VLC	1	6.3.3, 7.4.1.3, Table B-23
JP	3,234,807	Quantization matrix	1	3.97, 3.98, 3.99, 6.3.3, 7.4.4.1.2, 7.4.5, Figs. 7-3, 7-7
JP	3,234,830	Quantization matrix	1	3.97, 3.98, 3.99, 6.3.3, 7.4.4, 7.4.4.1.2, 7.4.5, Figs. 7-3, 7-7
JP	3,247,893	Shape decoding	2	6.2.3, 6.2.5, 6.2.6, 6.3.3, 6.3.5, 7.1, 7.5, Fig. 7-2
JP	3,265,287	dct type	1	6.1.3.1, 6.1.3.9, 6.2.6, 6.2.6.3, 6.3.6.3, Figs. 6-8, 6-11, 6-12
JP	3,275,003	Reversible VLC	18	5.2.4, 5.2.5, 6.2.1, 6.3.3, Tables 6-2, B-23
JP	3,277,116	Motion compensation prediction	5	6.3.3, 6.3.6, 6.3.6.2, 7.4, 7.6.5, 9.1, 9.2, Annex B.1.1 and Fig. 7-3 and Tables 9-1, B-1
JP	3,303,869	Decoding pictures of dimension video object layer height	11	6.3.3
JP	3,343,554	DC/AC coefficient prediction	1	7.4, 7.4.1, 7.4.3, 7.4.3.1, 7.4.3.3, Figs. 7-3, 7-5, 7-6
JP	3,369,422	Inverse scan	1	7.4, 7.4.1.2, 7.4.2, Fig. 7-4
JP	3,369,573	DC/AC coefficient prediction	1	6.2.7, 7.4, 7.4.3.1, 7.4.3.2, Figs. 7-2, 7-3, 7-5, Table 7-1
JP	3,380,763	Compression decoding	1	6.2.3, 6.3.3
JP	3,380,797	Compression encoding	1	6.2.3, 6.3.3
JP	3,386,142	Global Motion Compensation	1	6.3.3, 6.3.5.4, 7.8, 7.8.2, 7.8.3, 7.8.6, 7.8.7.1, Tables 6-19, 6-21
JP	3,387,820	Prediction decoding	1	6.2.5, 6.3.5, 7.3, 7.4, 7.6.7, Figs. 7-3, 7-24
JP	3,401,505	Time base	1	6.3.5
JP	3,407,726	Fractional sample interpolation	1	6.3.5, 7.1, 7.3, 7.5.2.3, 7.5.2.4, 7.6.2.1, Fig. 7-18
JP	3,407,727	Fractional sample interpolation	1	6.1.3.5, 6.3.5, 7.6.2.1, Annex D.1, Fig. 7-18
JP	3,408,104	Resynchronization markers	1	6.2.5.2, 6.3.5, Annex N, Table N-1
JP	3,410,037	Fractional sample interpolation	1	6.1.3.5, 6.2.5, 6.3.5, 7.6.2.1, Fig. 7-18
JP	3,414,304	Sprite	4	6.2.5.4, 6.3.3, 7.8, 7.8.4, 7.8.6, Fig. 7-49, Table 6-21
JP	3,415,319	Prediction mode selection	3	6.2.5.3, 6.3.5, 6.3.6, 6.3.7, 7.1, 7.3, 7.4, Figs. 7-2, 7-3
JP	3,415,548	Prediction mode selection	3	6.2.5.3, 6.3.5, 6.3.6, 6.3.7, 7.1, 7.3, 7.4, Figs. 7-2, 7-3
JP	3,417,933	Reversible VLC	1	6.3.3, Table B-23
JP	3,417,934	Reversible VLC	2	Table B-23
JP	3,425,377	Complexity estimation header	1	6.2.3, 6.2.5, 6.2.5.1, 6.3.3, 6.3.5.1
JP	3,431,368	Reversible VLC	4	B.1.4, Table B.23
JP	3,439,146	Luminance & chrominance shape information	1	6.1.3.2, 6.1.3.3, 6.1.3.6, 6.1.3.7.1
JP	3,442,028	Inverse scan	1	7.4, 7.4.1.2, 7.4.2, Fig. 7-4
JP	3,466,032	Upsampling	16	6.3.5, 7.4.6, 7.4.6.2, 7.6.10, 7.6.10.1.1, 7.6.10.1.2, 7.6.10.1.3, 7.6.10.1.4, 7.6.10.2, Figs. 7-3, V2-6, V2-8, V2-19
JP	3,466,080	Bit plane coding	7	Intro., 3.AMD2.1, 3.AMD2.3, 6.3.14.5, 6.3.14.6, 7.17.1, 7.17.2, Annex B.4, Fig. AMD2-1
JP	3,474,859	Prediction mode selection	15	6.2.5.3, 6.3.5, 6.3.6, 6.3.7, 7.1, 7.3, 7.4, Figs. 7-2, 7-3
JP	3,474,861	Prediction mode selection	4	6.2.5.3, 6.2.6.2, 6.3.5, 6.3.6, 6.3.6.2, 6.3.7, 7.1, 7.3, 7.4, Figs. 7-2, 7-3
JP	3,474,862	Prediction mode selection	7	6.2.5.3, 6.3.5, 6.3.6, 6.3.7, 7.1, 7.3, 7.4, Figs. 7-2, 7-3
JP	3,489,581	VLC	2	6.1.3.8, 6.3.6, Tables B.6-B.11
JP	3,494,617	Temporal scalability	1	6.2.5, 6.2.6, 6.3.5, 7.1, 7.5, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3, Figs. 7-2, 7-33
JP	3,500,112	Block encoding	1	6.2, 6.3.3, 6.3.5, Fig. 6-11, Table N-1
JP	3,509,610	Sprite	1	6.2.3, 6.2.5.4, 6.3.3, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Fig. 7-49, Tables 6-20, 6-21
JP	3,526,258	Temporal scalability	2	3.10, 6.3.5, 6.3.5.3, 7.5.2.5, 7.9, 7.9.1, Fig. 7-2, Tables 6-26, B-27, B-28, B-29, B-30
JP	3,539,910	VLC	4	6.1.3.8, 6.3.6, Tables B.6-B.11
JP	3,570,863	Shape decoding	1	Intro., 6.3.5.3, 7.5, Fig. 7-2, Table 6-30
JP	3,573,759	MPEG-4/H.263	3	6.2.5.2, 6.3.3, 6.3.2.5, Tables 6-28, 6-29
JP	3,579,409	Reversible VLC	1	6.3.3, Annex B, Tables B.23, B.24, B.25
JP	3,579,412	Reversible VLC	1	6.3.3, Annex B, Table B.23
JP	3,591,483	Sprite	4	6.2.5.4, 6.3.3, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Fig. 7-49, Table 6-21
JP	3,592,926	Data partitioning	1	6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5
JP	3,596,728	Shape decoding	8	7.5.4, 7.5.4.4, 7.4.5.6, Table 7-6
JP	3,597,843	Synchronization code	1	6, 6.2.1, 6.3.5, B.1.4, Tables 6-2, B.23
JP	3,597,846	Synchronization code	1	6, 6.2.1, 6.3.3, 6.3.5, B.1.4, Table B.23
JP	3,597,847	Synchronization code	1	6, 6.2.1, 6.3.3, 6.3.5, B.1.4, Tables 6-2, B.23
JP	3,597,848	Reversible VLC	1	6, 6.2, 6.2.1, 6.2.5, 6.2.5.2, 6.3, 6.3.3, 6.3.5, Annex B, B.1, B.1.4, Table 6-2, B.23
JP	3,597,849	Synchronization code	1	3.199, 6, 6.2.1, 6.3.3, 6.3.5, B.1.4, Tables 6-2, B.23
JP	3,597,850	Synchronization code	1	6, 6.2.1, 6.3.3, 6.3.5, B.1.4, Tables 6-2, B.23
JP	3,597,851	Reversible VLC	1	6, 6.2, 6.2.1, 6.2.5, 6.2.5.2, 6.3, 6.3.3, 6.3.5, Annex B, B.1, B.1.4, Table 6-2, B.23
JP	3,597,852	Synchronization code	1	6, 6.2.1, 6.3.3, 6.3.5, B.1.4, Tables 6-2, B.23
JP	3,609,813	Reversible VLC	1	6.3.3, 7.4.1.3, Annex B, Tables B.23 - B.25
JP	3,612,314	VLC coding	1	6.2.3, 6.2.5.3, 6.2.7, 6.3.3, 6.3.6
JP	3,612,315	VLC: mcbpc	1	6.2.3, 6.2.5.3, 6.2.7, 6.3.3, 6.3.6
JP	3,631,488	Synchronization code	1	6, 6.2, 6.2.1, 6.3.5, Table 6-2
JP	3,642,737	Resynchronization marker	1	6.2.5.2, 6.3.5, Annex N, Table 9-1
JP	3,654,664	Motion compensation prediction	2	6.2.5.3, 6.3.3, 6.3.6, 7.6, 7.8.7.3
JP	3,657,954	Synchronization code	1	5.2.4, 5.2.5, 6.2.1, 6.3.5, Annex B.1, B.1.4, Table 6-2
JP	3,657,955	Synchronization code	1	5.2.4, 5.2.5, 6.2.1, 6.3.5, Annex B.1, B.1.4, Table 6-2
JP	3,657,956	Synchronization code	1	3.21, 3.87, 3.114, 3.115, 3.143, 3.144, 7.31, 7.3.2.11, 7.4.1, Annexes B, B.1.1
JP	3,657,965	Synchronization code	1	6.2.1, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.7, 6.3.5
JP	3,657,967	Synchronization code	1	5.2.4, 5.2.5, 6.2.1, 6.3.5, Annex B.1, B.1.4, Table 6-2
JP	3,657,969	Synchronization code	2	3.21, 3.87, 3.114, 3.115, 3.143, 3.144, 7.31, 7.3.2.11, 7.4.1, Annexes B, B.1.1
JP	3,657,970	Synchronization code	2	5.2.4, 5.2.5, 6.2.1, 6.3, 6.3.1, 6.3.5, Annex B.1, B.1.4, Table 6-2
JP	3,657,978	Start codes	2	6.2.1, 6.2.5, 6.2.5.2, 6.3.5
JP	3,669,833	Upsampling	1	7.5.2.5.3, Figs. 7-16, 7-17
JP	3,669,834	Upsampling	1	7.5.2.5.3, 9.1, Figs. 7-16, 7-17
JP	3,693,636	Resynchronization/motion markers	1	6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5, Table 9-1
JP	3,702,178	Inverse quantization	1	6.2.3, 6.3.3, 7.1, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, 7.4.4.2.1, Table AMD 4-13
JP	3,734,488	Motion compensation prediction	1	6.2.5.3, 6.2.6, 6.3.3, 6.3.6, 7.6, 7.8.7.3, Figs. V2-24, Table AMD4-13
JP	3,743,960	VLC/Escaped code decoding	1	7.4, 7.4.1, 7.4.1.2, 7.4.1.3
JP	3,743,961	VLC/Escaped code decoding	1	7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Tables B-16 to B-18, B-21 to B-23, Fig. 7-3
JP	3,743,962	VLC/Escaped code decoding	1	7.4, 7.4.1, 7.4.1.2, 7.4.1.3
JP	3,748,215	Reversible VLC	1	6.3.3, 7.4.1.3, Annex B, Table B-23
JP	3,766,426	Reversible VLC	1	6.3.3, 7.4.1.2, Annex B, Table B-23
JP	3,769,457	Time base	1	6.2.4, 6.2.5, 6.3.4, 6.3.5

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
JP	3,769,467	Quantization matrix	1	3.97, 3.98, 3.99, 6.2.3, 6.3.3, 7.4.4, 7.4.4.1.2, 7.4.5, Figs. 7-3, 7-7
JP	3,803,348	VOP time code	1	6.1.3.5, 6.2.3, 6.2.4, 6.3.3, 6.3.4, 6.3.5, 7.1
JP	3,803,349	VOP time code	1	6.1.3.5, 6.2.3, 6.2.4, 6.3.3, 6.3.4, 6.3.5, 7.1
JP	3,819,638	Reversible VLC	1	6.2.5.2, 6.2.5.3, 6.2.7, 6.3.3, 6.3.5, Annex B, Tables B.7, B.23
JP	3,822,630	VLC decoding	1	6.3.3, Annex B, Table B-23
JP	3,836,827	Global Motion Compensation	1	6.2.3, 6.2.5.4, 6.3.3, 6.3.5.4, 7.1, 7.3, 7.8.4, 7.8.5, 7.8.7.1, Table 6-20
JP	3,851,063	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-4, 7-5, 7-6
JP	3,851,317	DC/AC coefficient prediction	1	7.4, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-5, 7-6
JP	3,857,297	DC/AC coefficient prediction	1	7.4, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-4, 7-5, 7-6
JP	3,860,323	Random accessible vol	1	6.2.3, 6.3.3, 7.2
JP	3,864,977	Sprite	4	6.2.5.4, 6.3.3, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Fig. 7-49, Table 6-21
JP	3,866,687	Reversible VLC	1	6.3.3, Annex B, Table B-23
JP	3,883,618	CBPY table selection	1	6.3.6, Annex B, Table B.8, B.9, B.10, B.11
JP	3,894,206	VOP time code	1	6.2.3, 6.3.3
JP	3,907,623	Global Motion Compensation	1	3.116, 3.143, 3.154, 6.1.3.4, 6.2.5.4, 6.2.6.2, 6.3.3, 6.3.5, 6.3.5.4, 6.3.6.2, 7, 7.1, 7.6.3, 7.6.5, 7.8.4, 7.8.5, 7.8.7.1, 7.8.7.3, Tables 6-20, B-12, B-33, Figs. 7.1, 7.2
JP	3,921,441	Sprite	1	6.2.3, 6.2.5.4, 6.3.3, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Fig. 7-49, Tables 6-20, 6-21
JP	3,933,483	Resynchronization marker	1	6.2.5, 6.2.5.2, 6.3.5, 7, Annex N, Tables 9-1, N-1
JP	3,935,613	Adaptive frame/field DCT coding	1	6.1.3.9, 6.2.6, 6.2.6.3, 6.3.6.3, 7.4, 7.5, Figs. 6-11, 6-12, 7-2
JP	3,993,212	MPEG-4/H.263	1	6.2.3, 6.2.5.2, 6.3.3, 6.3.5.2, 6.3.6, 7.4.1, 7.4.1.2, Annex B.1.4, Tables 6-28, 6-29, B.6, B.7, B.16, B.17
JP	3,993,213	MPEG-4/H.263	1	6.2.3, 6.2.5.2, 6.3.3, 6.3.5.2, 7.4.4.1.1, 7.4.4.3, Table 6-28, 6-29, 7-1
JP	4,066,817	Prediction sample rounding	1	6.1.3.5, 6.2.5, 6.3.5, 7.1, 7.3, 7.6.2.1, 7.6.3, 7.6.9.1, Figs. 7-18
JP	4,078,212	Fractional sample interpolation	1	6.1.3.5, 6.2.5, 6.3.5, 7.1, 7.6.2.1, Fig. 7-18
JP	4,095,762	Prediction sample rounding	1	6.1.3.5, 6.2.5, 6.3.5, 7.1, 7.6.2.1, Figs. 7-18,
JP	4,134,078	Motion compensation prediction	1	6.2.5.3, 6.2.6, 6.3.3, 6.3.6, 7.4, 7.6.3, 7.6.5, Annex B.1.1, Fig. 7-3, Tables 6-16, B-1
JP	4,189,429	Synchronization code	1	6.2, 6.2.1, 6.2.5, 6.2.5.2, 6.3.5, Table 6-2
JP	4,199,240	Reversible VLC	1	5.2.4, 5.2.5, 6.2.1, 6.3.3, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Fig. 7-3, Tables 6-2, B-23
JP	4,245,587	Motion compensation prediction	1	6.2.5.3, 6.2.5.4, 6.2.6, 6.3.3, 6.3.6, 7.6, 7.8.4, 7.8.5, 7.8.6, 7.8.7, 7.8.7.1, Fig. 7-1, Table 6-20
JP	4,260,191	MPEG-4/H.263	1	6.2.3, 6.2.5.2, 6.3.3, 6.3.5.2, Tables 6-28, 6-29
JP	4,260,192	MPEG-4/H.263	1	6.2.3, 6.2.5.2, 6.3.3, 6.3.5.2, Tables 6-28, 6-29
JP	4,260,193	MPEG-4/H.263	1	6.2.3, 6.2.5.2, 6.3.3, 6.3.5.2, Tables 6-28, 6-29
JP	4,260,194	MPEG-4/H.263	1	6.2.3, 6.2.5.2, 6.3.3, 6.3.5.2, 7.4.4, 7.4.4.1, 7.4.4.2, 7.4.4.2.1, Fig. 7-7, Table 6-28
JP	4,260,195	MPEG-4/H.263	1	6.2.3, 6.2.5.2, 6.3.3, 6.3.5, 6.3.5.2, 7.6.3, Table 6-28, 7-9
JP	4,350,759	MPEG-4/H.263	1	6.2.3, 6.2.5, 6.2.5.2, 6.2.7, 6.3.3, 6.3.5.2, 6.3.7, 7.4.1.1, 7.4.1.3 Table 6-28, 6-29, B.16, B.17
JP	4,350,760	MPEG-4/H.263	1	6.2.3, 6.2.5, 6.2.5.2, 6.2.6, 6.2.7, 6.3.3, 6.3.5.2, 6.3.6, 6.3.7, 7.4.1.1, 7.4.3.3 Table 6-28, 6-29, B-1
JP	4,350,761	MPEG-4/H.263	1	6.2.3, 6.2.5, 6.2.5.2, 6.2.7, 6.3.3, 6.3.5.2, 6.3.7, 7.4.1.1, Tables 6-28, 6-29
JP	4,350,796	MPEG-4/H.263	2	6.1.3, 6.2.2, 6.2.3, 6.2.5.2, 6.3.2, 6.3.3
JP	4,357,506	Shape coding	1	3.152, 3.205, 6.1.3.7.1
JP	4,418,090	Random accessible vol	1	3.6.1, 6.2.3, 6.3.3, 7.1, Fig. 7-2
JP	4,427,553	Motion compensation prediction	1	6.2.5.3, 6.2.6, 6.3.3, 6.3.6, 7.4, 7.6.3, 7.6.5, 7.8.7.3, Annex B.1.1, Fig. 7-3, Tables 6-16, B-1.
JP	4,708,263	VOP time code	1	6.1.3, 6.2.3, 6.2.5, 6.3.3, 6.3.5
JP	4,918,946	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7.6.2.1 and Fig. 7-18
JP	5,257,543	Prediction sample rounding; vop_rounding type	1	6.1.3.5, 6.2.5, 6.3.5, 7.6.2.1, Fig. 7-18
JP	5,257,544	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7.6.2.1, Fig. 7-18
JP	5,257,545	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7.6.2.1, Fig. 7-18
JP	5,376,083	Prediction sample rounding; vop_rounding type	1	6.1.3.5, 6.2.5, 6.3.5, 7.6.2.1, Fig. 7-18
JP	5,392,434	Prediction sample rounding; vop_rounding type	1	6.1.3.5, 6.2.5, 6.3.5, 7.6.2.1, Fig. 7-18
KR	77,808	Saturation control	4	6.2.5.3, 7.4, 7.4.4, 7.4.4.4, Figs. 7-3, 7-7
KR	83730	Scan pattern selection	1	7.4.2, 7.4.3.1, Fig. 7-5
KR	86,346	Enhanced Spatial Scalability	1	6.3.5, 7.4.6, 7.9, 7.9.2.3, Figs. 7-3, 7-32, 7-34
KR	118,698	VLC events including run & level	6	7.4.1.2, 7.4.2, 7.4.4, 7.4.5, Tables B-16, B-17, Figs. 7-3, 7-4
KR	124,164	Inverse DCT	1	7.4.1.2, 7.4.2, 7.4.4.1.2, 7.4.4.2, 7.4.4.2.1, Tables B-16, B-17
KR	132,895	Quantizer matrix selection	3	6.1.3.8, 6.3.3, 7.4.1, 7.4.4, 7.4.4.1, 7.4.4.2, 7.4.5, Fig. 7-3
KR	147,549	Deblocking filtering	1	7.4, 7.4.5, 7.6.10, 7.6.10.1.5, Figs. 7-3, V2-19, V2-23
KR	155,642	Deblocking filter	1	7.6.10.1.5, 7.6.10.2, Tables V2-39, V2-40
KR	155,784	Variable length coding	1	6.3.5, 7.4.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.4.2, B.1.4, Figs. 7-4, Tables 6-25, B.16, B.17, B.23
KR	157,463	Variable length coding	1	7.4.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.4.2, B.1.4, Figs. 7-4, Tables 6-25, B.16, B.17, B.23
KR	166,715	VLC escape coding	1	7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Tables B-13 to B-17
KR	196,867	Shape-Adaptive DCT	1	7.1, 7.4, 7.4.5, Annex A.3, A.3.1
KR	211,917	CBPY table selection	1	Tables B-9 to B-11
KR	221,889	Broken link	4	6.1.3.4, 6.1.3.5, 6.1.3.7, 6.2.4, 6.3.4
KR	237,359	Shape adaptive DCT	1	7.4.2, A.3, A.3.1
KR	251,549	Deblocking filter	1	7.4.6, 7.6.10, 7.6.10.1.4, 7.6.10.1.5, 7.6.10.2, Figs. 7-40, 7-44
KR	252,010	Shape data upsampling	1	7.5.2.5.3, Figs. 7-13, 7-14
KR	269,205	Shape data interpolation	1	7.5.2.5.3, Fig. 7-17
KR	294,120	DC/AC coefficient prediction	16	3.16, 3.37, 3.56, 3.63, 6.2.5, 6.2.7, 6.3.5, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.5, Figs. 7-3, 7-4, 7-5
KR	303,054	Quantization matrix generation	30	3.169, 6.2.3, 6.3.3, 7.4.4, 7.4.4.1.2, Figs. 7-2, 7-3, 7-7
KR	303,373	Interlace VOP	19	3.16, 3.37, 3.56, 3.63, 3.137, 6.1.3.9, 6.2.6, 6.2.6.3, 6.2.7, 6.3.6.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.5, 7.7.1, Figs. 6-11, 6-12, 7-3, 7-5, 7-6, 7-45
KR	303,685	DC coefficient prediction	1	6.1.3.8, 6.1.3.9, 7.4.1.1, 7.4.3.1, 7.4.3.2, 7.4.4, Figs. 7-2, 7-3, 7-5
KR	313,870	Motion vector coding	1	7.6.3
KR	314,098	Shape data interpolation	1	7.5.2.5.3, Figs. 7-13, 7-14
KR	318,055	VLC/Escape code decoding	1	7.4.1.2, 7.4.1.3, Table B.16, B.17
KR	318,057	VLC escape coding	1	7.4.1.2, 7.4.1.3, Fig. 7-3, Tables B-16, B-17, B-21, B-22
KR	318,058	VLC escape coding	1	7.4.1.2, 7.4.1.3, Fig. 7-3, Tables B-16, B-17, B-19, B-20
KR	318,059	VLC/Escape code decoding	1	7.4.1.2, 7.4.1.3, Tables B.16, B.17
KR	319,248	Predictive decoding	1	6.3.5, 7.3, 7.5.2.1.2, 7.6, 7.6.7, Figs. 7-2, 7-24
KR	319,944	Global Motion Compensation	4	6.2.3, 6.2.5.4, 6.3.3, 6.3.5.4, 6.3.6, 7.1, 7.3, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Figs. 7-2, 7-50, Tables 6-20, 6-21, 9-2, 9-4, 9-6, 9-8
KR	322,515	Global Motion Compensation	1	3.71, 3.75, 6.2.6, 6.3.6, 7.8.7.1, 7.8.7.3, Tables B.1 and B.7
KR	324,608	DC/AC coefficient prediction	5	6.2.6, 6.2.7, 6.3.6, 7, 7.4, 7.4.1, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-1, 7-3, 7-5, 7-6
KR	324,609	DC/AC coefficient prediction	1	7.4, 7.4.1, 7.4.3.1, 7.4.3.2, 7.4.4, Figs. 7-3, 7-5
KR	324,610	DC/AC coefficient prediction	1	6.2.6, 6.2.7, 6.3.6, 7, 7.4.1, 7.4.2, 7.4.3.1, 7.4.3.3, 7.4.4, 7.4.4.2.1, Figs. 7-4, 7-5, 7-6, 7-7, Tables 9-1, 9-5
KR	324,611	DC/AC coefficient prediction	1	7.4, 7.4.1, 7.4.3.1, 7.4.3.3, 7.4.4, 7.4.4.2.1, Figs. 7-3, 7-5, Table 9-1
KR	338,801	Bit plane decoding	8	3.AMD4.1, 3.AMD4.3, 6.2.14.6, 6.3.14.6, 7.17.1, 7.17.2, 7.17.3
KR	359,093	Data partitioning	25	6.2.3, 6.3.3, 7.4.1.3, Fig. 7-3
KR	365,259	Random accessible vol	25	3.37, 3.221, 6.2.3, 6.3.3, 7.2, 7.4, 7.6, Fig. 7-3
KR	371,129	Predictive decoding	1	7.4.1, 7.4.2, 7.4.3.1, 7.4.3.3, Figs. 7-3, 7-4, 7-5, 7-6
KR	371,130	DC/AC coefficient prediction	1	7.4.1.1, 7.4.3.1, 7.4.3.2, 7.4.4, 7.4.5, Figs. 7-3, 7-5, Tables B-13, B-14, B-15
KR	374,717	Decoding interlaced VOPs	1	6.1.3.6, 6.1.3.8, Figs. 6-1, 6-2, 6-3, 6-5
KR	375,345	Reversible VLC	25	6.2.3, 6.3.3, 7.4, 7.4.1.3, Fig. 7-3
KR	384,918	VOP time code	2	3.184, 6.2.3, 6.3.3, 6.3.5, 7.4, Table 6-15, Fig. 7-3

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
KR	392,379	Binary shape decoding	24	6.3.5.3, 7.5.4, 7.5.4.6, 7.5.4.7, Table V2-3, 29, 30, 31, 39, 40
KR	393,123	Prediction sample rounding	46	6.3.5, 7.1, 7.3, 7.6.2.1, Figs. 7-2, 7-18
KR	393,125	Motion compensation with rounding	1	6.3.5, 7.1, 7.3, 7.6, 7.6.2.1, 7.6.3, Figs. 7-2, 7-18
KR	394,938	Random reproduction	3	3.184, 6.2.1, 6.2.3, 6.3.3, Fig. 6-11,
KR	400,537	Fractional sample interpolation	1	4.1, 6.1.3.5, 6.2.5, 6.3.5, 7.1, 7.6.2, 7.6.2.1, Figs. 7-2, 7-29, Tables 9-1, 9-4, 9-5, 9-8
KR	400,538	Fractional sample interpolation	1	3.144, 3.145, 3.165, 4.1, 6.1.3.5, 6.2.5, 6.2.6.2, 6.2.7, 6.3.5, 7.1, 7.6.2, 7.6.2.1, Figs. 7-2, 7-29, Tables 9-1, 9-4, 9-5, 9-8
KR	402,541	VLC/Escape code decoding	19	7.4.1.2, 7.4.1.3, Tables B.16, B.17
KR	403,077	DC coefficient prediction	16	6.2.7, 7.4, 7.4.1, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.4, 7.4.4.1.1, 7.4.4.2, Tables 9-1, 9-5, Figs. 7-5, 7-7
KR	413,979	DC coefficient prediction	1	7.4, 7.4.3.1, 7.4.3.2, Figs. 7-3, 7-5, Tables 9-1, 9-5
KR	423,719	Upsampling	1	6.3.5.3, 7.5.2.5.3
KR	446,365	Random reproduction	1	3.184, 6.2.1, 6.2.3, 6.3.3, Fig. 6-11
KR	487,986	short video header	2	6.2.3, 6.2.5.2, 6.2.7, 6.3.3, 6.3.5.2, 6.3.7, 7.4.1, 7.6.1.1, 7.4.3
KR	487,989	short video header	1	6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5, 6.3.5.2
KR	511,693	short video header	4	6.2.6, 6.3.3, 6.3.6, 7.4.3, 7.4.3.3
KR	525,862	Frame display cycle	2	6.1.3.4, 6.2.3, 6.3.3, Table 6-18
KR	530,394	Frame display cycle	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, Annex D.2, Table 6-18
KR	530,395	Frame display cycle	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, Table 6-18
KR	530,406	Frame display cycle	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, Annex D.2
KR	531,566	Inverse quantization	1	6.2, 6.2.1, 6.3.3, 6.3.5, 6.3.5.2, 7.2, 7.4, 7.4.4.1.1, 7.4.4.2, 7.4.4.3, Fig. 7-3, Tables 6-3, 7-1, 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
KR	617,598	Fractional sample interpolation	1	7.6, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, 7.6.5, Figs. 7-31, 7-32, Tables 9-4, 9-8
KR	685,771	Synchronization code	1	5.2.4, 6.2.1, 6.2.5, 6.2.6.2, 6.2.7, Tables 6-2 and 6-3
KR	685,772	Synchronization code	1	5.2.4, 6.2.1, 6.2.5, 6.2.6.2, 6.2.7, 7.1, Tables 6-2, 6-3, Figs. 7-1 and 7-2
KR	757,829	Fractional sample interpolation	1	7.3, 7.6, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, 7.6.2.2.3, 7.6.5, Figs. 7-30, 7-31, 7-32, Tables 9-4, 9-8
KR	757,830	Fractional sample interpolation	1	7.3, 7.6, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, 7.6.2.2.3, 7.6.5, Figs. 7-30, 7-31, 7-32, Tables 9-4, 9-8
KR	757,831	Fractional sample interpolation	1	7.3, 7.6, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, 7.6.2.2.3, 7.6.5, Figs. 7-30, 7-31, 7-32, Tables 9-4, 9-8
KR	757,832	Fractional sample interpolation	1	7.3, 7.4.1, 7.4.5, 7.6, 7.6.2, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, 7.6.2.2.3, Figs. 7-2, 7-3, 7-31, 7-32, Tables 9-4, 9-8
KR	773,304	Resynchronization marker	1	5.2.5, 6.2.5, 6.2.5.2, 6.2.6.2, 6.2.7, 6.3.5, 7.4.1.2, Table B.23
KR	786,548	Resynchronization markers	1	3.8, 6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5, 7
KR	877,949	Synchronization code	1	5.2.4, 6.2.1, 6.2.5, 6.2.6.2, 6.2.7, 7.1, Figs. 7-1, 7-2, Tables 6-2, 6-3
LI	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
LI	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
LI	638,218	Mismatch control	1	7.4.4.5, 7.4.5
LI	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
LI	954,182	Mismatch control	1	7.4.4.5, 7.4.5
LI	1002429	Time base	1	1, 6.25, 6.35
LI	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
LI	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
LI	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
LU	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
LU	638,218	Mismatch control	1	7.4.4.5, 7.4.5
LU	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
LU	954,182	Mismatch control	1	7.4.4.5, 7.4.5
LU	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
LU	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
LU	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
MC	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
MC	638,218	Mismatch control	1	7.4.4.5, 7.4.5
MC	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
MC	954,182	Mismatch control	1	7.4.4.5, 7.4.5
MC	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
MC	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
MC	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
MC	260,748	VLC events including run & level	1, 10	0.5.4, 7, 7.1, 7.4.1.2, 7.4.2, 7.4.3.4, Tables B-16, B-17, B-23, Fig. 7-2
NL	279,053	P-VOP decoding	1	Intro., 3.95, 6, 7, 7.1, 7.3, Fig. 7-2, Table B-1
NL	321318	Variable transmission rate	11	7.9.1.1, Fig. 7-53
NL	414,193	Saturation control	4	7, 7.1, 7.4, 7.4.4, 7.4.4.1.2, 7.4.4.2, 7.4.4.4, 7.4.5, Figs. 7-1, 7-2, 7-3, 7-7, Tables B-13, B-14
NL	443,676	VOP coding types	1	1, 3.96, 3.116, 3.161, 3.6, 6.1.3.5, 6.2.5, 6.3.5, Table 6-24
NL	460,751	VBV Buffer	1	Intro., 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
NL	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
NL	584,840	B-VOP decoding	1	Intro., 6.1.3.4, 6.1.3.7, 6.2.5, 6.3.5, 7.1, 7.4, 7.4.1, 7.4.2, 7.4.4, 7.4.5, Figs. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
NL	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
NL	638,218	Mismatch control	1	7.4.4.5, 7.4.5
NL	873,018	VLC/Escape code decoding	1	3.5, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Table B.16, B.17, B.19, B.20, B.23
NL	880,286	Temporal scalability	3	Intro., 3.174, 3.202, 6.2.3, 6.3.3, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3, 7.9.1.3.2, 7.9.1.3.3, 7.9.1.3.4, 7.9.1.3.5, Fig. 23
NL	884,693	Upsampling	1	7.5, 7.5.2.5.3, 9.1, Tables 9-1, 9-5, Figs. 7-16, 7-17
NL	884,912	Prediction sample rounding	1	3.6, 3.94, 3.127, 3.143, 3.185, 6.2.3, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
NL	890,921	Upsampling	1	Intro., 7.5, 7.5.2, 7.5.2.5, 7.5.2.5.2, 7.5.2.5.3, 9.1, 9.2, Figs. 7-13, 7-14, Tables 9-1, 9-2
NL	0905980	Sprite decoding	1	3.12, 3.52, 3.64, 3.141, 3.143, 4.1, 6.2.3, 6.2.5, 6.2.5.4, 6.3.3, 6.3.5.4, 7.8, 7.8.2, 7.8.4, 7.8.5, 7.8.6, Fig. 7-30, Table 6-16, B-33
NL	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
NL	954,182	Mismatch control	1	7.4.4.5, 7.4.5
NL	956,703	Shape-adaptive transforms (SA-DCT, inverse SA-DCT)	1	3.12, 3.123, 3.124, 3.137, 3.157, 6.3.3, 7.3, 7.4, 7.4.5, 9.1, 9.2, Annex A.3, A.4, Table 9-2, Fig. 7-3
NL	981,909	SA-DCT	16	3.12, 3.13, 3.137, 6.3.3, 7, 7.4.5
NL	1002429	Time base	1	1, 6.25, 6.35
NL	1026899	Random accessible vol	1	1, 6.1.2, 6.1.3, 6.2.3, 6.3.3, 7.2, 9.1, 9.2,
NL	1032219	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5, Tables 6-28, 6-29
NL	1,100,272	VLC/Escape code decoding	1	3.5, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Table B.16, B.17, B.21 to B.23
NL	1100273	VLC/Escape code decoding	1	7, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.2, Table B.16, B.17, B.18, B.23, B.24, B.25
NL	1100274	VLC/Escape code decoding	1	7, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.2, Table B.16, B.17, B.18, B.19, B.20, B.23, B.24, B.25
NL	1,104,972	VLC/Escape code decoding	1	7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Fig. 7-3, Tables B.16, B.17, B.19, B.20, B.23
NL	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
NL	1,237,376	Prediction sample rounding; vop_rounding type	1	3.49, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Annex D.1, Figs. 7-1, 7-2, 7-18
NL	1,237,377	Prediction sample rounding; vop_rounding type	1	3.6, 3.94, 3.127, 3.143, 6.2.3, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7-6, 7.6.2, 7.6.2.1, 7.6.2.2, Fig. 7-1, 7-2, 7-18
NL	1328125	MPEG-4/H.263	1	5.1.3, 5.2, 5.3, 6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5, 6.3.5.2, Tables 6-28, 6-29, 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
NL	1558038	Random accessible vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11
NL	1560439	VLC/Escape code decoding	1	6.2.7, 7.1, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 9.1, 9.2, Fig. 7-2, Tables 9-2, B-16, B-17, B-21 to B-25
NL	1565002	MPEG-4/H.263 Header	1	1, 3.14, 6.1.1, 6.1.2, 6.1.3, 6.2.2, 6.3, 6.3.1, 6.3.2, 6.3.3, Tables 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
NL	1565003	MPEG-4/H.263	1	1, 3.47, 3.102, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.3.3, 6.3.5, 6.3.6, 7.4.1.1, 7.4.4, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.2.1, 7.4.4.3, Figs. 7-3, 7-7, Tables 6-27, 7-1, 9-1, 9-2, B-1, B-6, B-7
NL	1565004	MPEG-4/H.263	1	1, 3.5, 3.14, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, Fig. 7-3, Tables 9-1, 9-2, B-16, B-17, B-23, B-24, B-25

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
NL	1725045	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.8, 7.8.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7, 7.8.7.1, Fig. 7-30, 7-2, Table 6-20, B-33, V2-2
NL	1725046	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.114, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7, 7.8.7.1, Fig. 7-2, 7-30, Tables 6-16, 6-17, 6-20, 7-30, B-33, AMD2-13, AMD2-14, V2-2
NL	1725047	Global Motion Compensation	1	3.12, 3.52, 3.64, 3.141, 3.143, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.4, 6.3.3, 6.3.5, 6.3.5.4, 7.1, 7.6.2, 7.8, 7.8.1, 7.8.4, 7.8.5, 7.8.6, Figs. 7-2, 7-30, 7-31, Tables 6-17, 6-20, AMD2-13, AMD2-14, V2-2
NL	1809037	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5, 6.3.5.2, 6.3.6.2, 7.6.3, Tables 6-24, 6-25, 7-5, 9-1, 9-2
NL	1809038	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, 7.4.4, 7.4.4.1, 7.4.4.2, Tables 6-24, 6-25, 9-1, 9-2
NL	1809039	MPEG-4/H.263	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, 7, Tables 6-14, 6-24, 9-1, 9-2
NL	1809045	MPEG-4/H.263	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.7, 6.3.3, 6.3.5, 6.3.7, 7.4.1.1, Annex B, Tables 9-1, 9-2, B-13, B-14, B-15
NL	1809046	MPEG-4/H.263	1	6.3.2, 6.3.3, 7.4, 7.4.1.3, Fig. 7-3, Tables 9-1, 9-2, B-16, B-17, B-18, B-19, B-20, B-21, B-22, B-23
NL	1809047	MPEG-4/H.263	1	1, 3.5, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.3.3, 7.4, 7.4.3, 7.4.3.3, Fig. 7-3, Tables 9-1, 9-2, B-1, B-6, B-7
NL	1843599	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25, 9-1, 9-2
NL	1843600	MPEG-4/H.263 Header	1	1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, Tables 6-28, 9-1, 9-2, 9-4, 9-5, 9-6, 9-8
NL	1988714	MPEG-4/H.263	1	6.1.3.4, 6.1.3.7, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.5.2, 7, Table 6-24
NL	1988715	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25
NL	1988716	MPEG-4/H.263	1	6.2.3, 6.3.2, 6.3.3, 6.3.5.2, Tables 6-24, 6-25
NL	2,094,013	short video header	1	1, 3.5, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Figs. 7-3, Tables B-16, B-17, B-23
NL	2,200,314	Random accessible vol	1	6.1.1, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.4, 6.1.3.5, 6.2.2, 6.2.3, 6.3.3, 6.3.5, Table 6-20,
NL	2,271,116	Prediction sample rounding; vop_rounding type	1	6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
NL	2,271,117	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 6.2.6, 6.2.6.2, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
NL	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
NL	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
NL	2,278,809	VOP time code	1	3.12, 3.61, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.5, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7.1, Fig. 7-2, Tables 6-15, 6-19
NL	2,278,811	VOP time code	1	3.12, 3.61, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.5, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7.1, Fig. 7-2, Tables 6-15, 6-19
NL	2,285,119	Prediction sample rounding; vop_rounding type	1	3.64, 3.127, 3.143, 3.154, 6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
NL	2,288,164	Prediction sample rounding; vop_rounding type	1	6.2.3, 6.2.5, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
NL	2,288,165	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
NL	2,288,166	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
NL	2,306,721	Random accessible vol	1	3.140, 6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, 7.2,
NL	2,306,722	Random accessible vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11,
PT	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
PT	638,218	Mismatch control	1	7.4.4.5, 7.4.5
PT	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
PT	954,182	Mismatch control	1	7.4.4.5, 7.4.5
PT	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
PT	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
PT	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
SE	248,711	Skipped Blocks	1	Intro., 6.1.3, 6.1.3.1, 6.1.3.8, 6.1.3.9, 6.2.6, 6.3.6, 7.6.3, Tables B-1, B-2, B-8 to B-11
SE	260,748	VLC events including run & level	1, 10	0.5.4, 7, 7.1, 7.4.1.2, 7.4.2, 7.4.3.4, Tables B-16, B-17, B-23, Fig. 7-2
SE	321318	Variable transmission rate	11	7.9.1.1, Fig. 7-53
SE	414,193	Saturation control	4	7, 7.1, 7.4.4, 7.4.4.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.4, 7.4.5, Figs. 7-1, 7-2, 7-3, 7-7, Tables B-13, B-14
SE	443,676	VOP coding types	1	1, 3.96, 3.116, 3.161, 3.6, 6.1.3.5, 6.2.5, 6.3.5, Table 6-24
SE	460,751	VBV Buffer	1	Intro., 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
SE	0467040	Motion compensation prediction	8	3.137, 3.144, 3.146, 3.164, 3.165, 6.3.5, 6.3.6, 7.1, 7.3, 7.6.3, Fig. 7-2, 7-3, Tables 6-24, 9-1, 9-5, B.6, B.7
SE	630,547	VLC events including run, level & end	1	3.230, 7, 7.3, 7.4.1.2, Figs. 7-2, 7-3, Tables B.17, 9-1, 9-5
SE	638,218	Mismatch control	1	7.4.4.5, 7.4.5
SE	884,912	Prediction sample rounding	1	3.6, 3.94, 3.127, 3.143, 3.185, 6.2.3, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
SE	940,995	Shape coding	1	3.121, 6, 6.1.3.1, 6.1.3.7.1, Figs. 6-1, 6-2, 6-3, Tables 9-1, 9-5
SE	954,182	Mismatch control	1	7.4.4.5, 7.4.5
SE	956,703	Shape-adaptive transforms (SA-DCT, inverse SA-DCT)	1	3.12, 3.123, 3.124, 3.137, 3.157, 6.3.3, 7.3, 7.4, 7.4.5, 9.1, 9.2, Annex A.3, A.4, Table 9-2, Fig. 7-3
SE	981,909	SA-DCT	16	3.12, 3.13, 3.137, 6.3.3, 7, 7.4.5
SE	1002429	Time base	1	1, 6.25, 6.35
SE	1025704	Interpolation filtering	2	Intro., 7.6, 7.6.2.1, 7.6.2.2, 7.6.2.2.1, Figs. 7-18, V2-17, V2-18
SE	1025706	Shape coding of B-VOPs	1	Intro., 1, 3.12, 6.1.3.5, 6.3.5.3, 7, 7.5.2.1.2, 7.5, Table 6-30
SE	1026899	Random accessible vol	1	1, 6.1.2, 6.1.3, 6.2.3, 6.3.3, 7.2, 9.1, 9.2,
SE	1056294	Prediction sample rounding	1	1, 3, 4.1, 6.2, 6.2.3, 6.2.5, 6.3.5, 7.3, 7.6, 7.6.2.1, Figs. 7-2, 7-18, Tables 9-1, 9-2
SE	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
SE	1,237,376	Prediction sample rounding; vop_rounding type	1	3.49, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Annex D.1, Figs. 7-1, 7-2, 7-18
SE	1,237,377	Prediction sample rounding; vop_rounding type	1	3.6, 3.94, 3.127, 3.143, 6.2.3, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Fig. 7-1, 7-2, 7-18
SE	1558038	Random accessible vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11
SE	2,200,314	Random accessible vol	1	6.1.1, 6.1.2, 6.1.3, 6.1.3.3, 6.1.3.4, 6.1.3.5, 6.2.2, 6.2.3, 6.3.3, 6.3.5, Table 6-20,
SE	2,271,116	Prediction sample rounding; vop_rounding type	1	6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
SE	2,271,117	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.3, 6.2.5, 6.3.3, 6.3.5, 6.2.6, 6.2.6.2, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
SE	2,276,258	Mismatch control	4	7.4.4.5, 7.4.5
SE	2,276,259	Mismatch control	4	7.4.4.5, 7.4.5
SE	2,285,119	Prediction sample rounding; vop_rounding type	1	3.64, 3.127, 3.143, 3.154, 6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
SE	2,288,164	Prediction sample rounding; vop_rounding type	1	6.2.3, 6.2.5, 6.2.6, 6.2.6.2, 6.3.3, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
SE	2,288,165	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18
SE	2,288,166	Prediction sample rounding; vop_rounding type	1	6.1.3.4, 6.2.5, 6.2.6, 6.2.6.2, 6.3.5, 6.3.6.2, 7, 7.1, 7.6, 7.6.2.1, 7.6.2.2, Figs. 7-1, 7-2, 7-18, Table 6-20
SE	2,306,721	Random accessible vol	1	3.140, 6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, 7.2,
SE	2,306,722	Random accessible vol	1	6.2, 6.2.1, 6.2.3, 6.3, 6.3.1, 6.3.3, Fig. 6-11,
TR	1181829	Resynchronization markers	3	1, 4.3, 6.3, 6.3.3, 6.3.5, 7.17.4, Annexes E.1, E.1.1, E.1.4.2
US	4,654,484	Spatial, Temporal, FGS or FGST Scalable Bitstream	11	3.AMD2.8, 3.AMD2.9, 3.9, 3.12, 3.60, 3.61, 3.62, 3.150, 6.1, 6.2.3(7), 6.2.14, 7.4, 7.4.6, 7.9.2.3, 7.17, 7.17.3, 7.17.4, Figs. AMD2-1, AMD2-2, 7-1, 7-3, 7-34
US	4,706,260	Rate buffer control	1	3.114, 3.132, 3.133, 3.134, 7.3, 7.4.1, Annex D.1, D.2
US	4,796,087	Skipped Blocks	1	3.82, 3.84, 3.107, 6.1.3.2, 6.1.3.8, 6.2.6, 6.3.6, Tables B-1, B-2, B-8 to B-11
US	4,813,056	VLC escape coding	21	3.178, 6.3.3, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Tables B-16 to B-18
US	4,901,075	VLC events including run & level	8	7.4.1.2, 7.4.2, 7.4.4, 7.4.5, Tables B-16, B-17, Figs. 7-4, 7-7
US	4,933,762	Temporal scalability	1	6.2, 6.3, 6.3.3, 7.9.1.1, Annex D.2, Fig. 7-33
US	4,982,270	Resynchronization markers	9	3.14, 6.1.3.8, 6.2.5.2, 6.2.5.3, 6.3.5, 6.3.5.2

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
US	5,021,879	Macroblock	1	3.16, 3.37, 3.137, 3.144, 3.157, 3.164, 3.165, 3.166, 3.173, 3.175, 3.221, 6.1.2, 6.1.3, 6.1.3.4, 6.1.3.9, 6.1.3.10, 6.2.6, 6.2.7, 6.3.6, 7.6, 7.6.7, B.1.1, B.1.2, Tables B.1, B.6 to B.11, Figs. 6-8, 6-9, 6-10, 7-27, 7-38
US	5,068,724	Inter/Intra Macroblock Decoding	17	6.3.6, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6, Tables B.1, B.6, B.7, Figs. 7-3, 7-16
US	5,072,295	Saturation control	3, 4	3.132, 3.133, 3.134, 3.141, 3.143, 7.3, 7.4, 7.4.1.2, 7.4.4, 7.4.4.4, 7.4.5, Figs. 7-3, 7-7, 7-16
US	5,128,758	DCT	11	3.33, 3.135, 6.1.3.7.1 to 6.1.3.7.3, 7.4, 7.4.1, 7.4.1.1, 7.4.4, 7.4.5, B.1.4, Figs. 6-1 to 6-7, 7-3
US	5,179,442	DCT	1	3.1.3.7, 3.33, 3.135, 6.1.2, 6.1.3, 6.1.3.4, 6.1.3.7.1 to 6.1.3.7.3, 6.1.3.9, 6.3.1.10, 7.2, 7.3, 7.4, 7.4.1, 7.4.1.1, 7.4.4, 7.4.5, B.1.4, Tables B.13, B.14, Figs. 6-1 to 6-7, 7-2, 7-3
US	5,191,436	Broken link	4	6.1.3.4, 6.1.3.5, 6.1.3.7, 6.2.4, 6.3.4
US	5,223,949	VOP ordering	1, 5	Intro., 3.6, 3.147, 6.1.3.7, 6.3.5, 7.2, Table 6-20
US	5,235,419	Motion vector decoding	20	7.1, 7.3, 7.4, 7.6.3, 7.6.5, B.1.1, B.1.2, Figs. 7-2, 7-3, 7-34, Tables B.1, B.7
US	5,235,618	Video rate buffer model	25	3.82, 3.83, 3.84, 7, Annex D.1, Figs. 7-1
US	5,291,284	Mismatch control	12	3.144, 7.4, 7.4.4, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, 7.4.4.3, 7.4.4.5, 7.4.4.6, 7.4.5, 7.6, Annex A.1, Figs. 7-3, 7-7
US	5,298,991	Motion vector range	9	6.3.5, 7.6.3, Tables 7-5, B-12
US	5,343,248	Decoding interlaced VOPs	1	6.1.3.1, 6.3.5, 7, 7.2, Figs. 6-2, 6-3, AMD1: 6.1.3.1, 6.3.13.5, 7.16.1, 7.16.2, 7.16.8
US	5,428,396	Motion vector range	1, 14	6.3.5, 7.6.3, Tables 7-5, B-12
US	5,467,086	Motion vector decoding	19	Intro., 3.157, 3.175, 6.3.6, 6.3.6.2, 7, 7.1, 7.3, 7.4, 7.6.3, 7.6.7, B.1.1, B.1.2, Tables B.1, B.2, B.6, B.7, Figs. 7-2, 7-3, 7-38
US	5,481,553	Mismatch control	1	7.4.4.5, 7.4.5
US	5,579,413	VLC events including run, level & end	1	6.2.7, 7.4.1.2, 7.4.2, 7.4.4, 7.4.5
US	5,606,539	VBV Buffer	1	Intro., 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
US	5,608,697	VBV Buffer	1	Intro., 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
US	5,654,706	Inverse scan selection	1, 7	6.3.6, 7.4, 7.4.1.2, 7.4.2, Figs. 7-3, 7-4
US	5,699,476	Prediction encoding	5	3.8, 3.44, 3.106, 3.109, 3.123, 3.157, 6.135, 6.3.5, 7.3, 7.6.7, Table 6-24, Fig. 7-38
US	5,740,310	VOP time code	1	Intro., 6.1.3.8, 6.1.3.9, 6.2.4, 6.2.5, 6.3.4, 6.3.5
US	5,748,789	Skipping texture for transparent shape macroblock	1	Intro., 5.2.6, 6.1.1, 6.2.1, 6.2.5.3, 6.2.6, 6.2.7, 7, 7.2, 7.4, 7.5, Figs. 6-11 to 6-13, 7-2
US	5,815,601	Enhanced temporal scalability	8	6.3.3, 6.3.5, 7, 7.1, 7.2, 7.4, 7.5.1.2, 7.9, 7.9.1, 7.9.1.1, 7.9.1.3, 7.9.1.3.4, Figs. 7-1, 7-2, 7-3, 7-32, 7-33
US	5,844,867	VBV Buffer	1	Intro., 1, 3.31, 3.218, 6.1.3.8, 6.2.3, 6.3.3, 7, Annexes D.1, D.2, Figs. 7-1, D.1, D.2
US	5,852,469	Reversible VLC	5	6.3.7, 7.4.1.2, 7.4.1.3, B.1.4, Table B-23
US	5,883,678	Binary shape coding	6	3.12, 3.13, 6.2.6.1, 6.3.5.3, 7, 7.4, 7.5, 7.5.2.5, 7.5.2.5.3, 7.6, 7.6.1, 7.6.1.1, Figs. 7-2, 7-3, 7-27
US	5,930,395	Header extension	1	6.2.5, 6.2.5.2, 6.3.5
US	5,963,257	Temporal scalability	7	7, 7.1, 7.4, 7.5, 7.5.1.2, 7.5.2, 7.9, 7.9.1, 7.9.1.3, 7.9.1.3.2, Figs. 7-1, 7-2, 7-3, 7-32
US	5,963,259	Sprite	17	6.2.5.4, 6.3.3, 6.3.5.4, 7, 7.1, 7.3, 7.4, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Table 6-21, Figs. 7-2, 7-3, 7-49
US	5,978,515	Partial VOP temporal scalability	1	6.2.7, 6.3.3, 6.3.5, 6.3.6.1, 7, 7.2, 7.9.1.1, 7.9.1.3.4, 7.9.1.3.5
US	5,986,708	Temporal scalability	7	3.11, 3.73, 7, 7.4, 7.5, 7.5.2.1.2, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3.3, 7.9.1.3.4, 7.9.1.3.5, 8, 8.1, Fig. 7-3, 7-53, 8-1
US	6,002,812	Shape data upsampling	1	7.5.2.5.3, Figs. 7-13, 7-14
US	6,005,980	Motion vector decoding	13	3.16, 3.137, 3.146, 6.2.6.2, 6.3.6.2, 7.1, 7.3, 7.6.3, 7.7, 7.7.2, 7.7.2.1, 9.1, Figs. 7-2, 7-46, 7-47, Tables 9-2, 9-4
US	6,008,852	Global Motion Compensation	23	3.59, 3.61, 3.75, 3.144, 6.2.3, 6.2.5.4, 6.2.6, 6.3.3, 6.3.5.4, 6.3.6, 7, 7.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Figs. 7-1, 7-2, Tables 6-13, 6-19
US	6,011,496	Bit plane decoding	19	Intro., 3.17, 3.89, 6.3.14.5, 6.3.14.6, 7.17.1, 7.17.2, 7.17.3, Fig. 0-5
US	6,016,111	Bit plane decoding	18	Intro. (Streaming), 3.AMD2.1, 3.AMD2.3, 6.3.14.5, 6.3.14.6, 7.17.1, 7.17.2, 7.17.3, Fig. AMD2-1
US	6,023,299	Temporal scalability	6	7, 7.1, 7.4, 7.5, 7.5.1.2, 7.5.2, 7.9, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3.3, 7.9.1.3.2, Figs. 7-1, 7-2, 7-3, 7-32, 7-33
US	6,025,881	Data partitioning	4	6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.6, 7.2, 7.3
US	6,052,150	Data partitioning	6-9	6.2.5, 6.2.5.2, 6.2.5.3, 6.3.3, 6.3.6
US	6,084,914	Temporal scalability	11	3.11, 3.73, 7, 7.4, 7.5, 7.5.2.1.2, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3.3, 7.9.1.3.4, 7.9.1.3.5, 8, 8.1, Figs. 7-3, 7-53, 8-1
US	6,088,061	Binary shape decoding	4	3.12, 3.13, 4.7, 6.2.6.1, 6.3.5, 6.3.5.3, 7, 7.4, 7.5, 7.5.1.2, 7.5.2.5, 7.5.2.5.1, Figs. 7-2, 7-3, 7-13, Table 9-1
US	6,097,759	Inverse scanning & predictive decoding	4	7.3, 7.4, 7.4.2, 7.6, Figs. 7-3, 7-4, 7-16
US	6,104,434	Upsampling	19	6.1.3.4, 6.3.3, 6.3.5, 6.3.6.2, 7.1, 7.3, 7.4, 7.4.4, 7.4.5, 7.4.6, 7.4.6.2, 7.6.3, 7.6.10.1.1, 7.6.10.1.2, 7.6.10.1.3, 7.6.10.1.4, 7.6.10.2, Figs. 7-3, V2-6, V2-8, V2-19
US	6,104,754	VLC	12	6.2.1, 6.2.5.2, 6.3.3, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, B.1.4, Figs. 7-3, Tables 6-1, 6-2, B.23
US	6,128,342	Motion vector	7	3.61, 3.71, 3.106, 3.144, 3.146, 3.170, 3.214, 3.221, 6.1.3.4, 6.2.5, 6.2.5.3, 6.3.5, 7.1, 7.3, 7.4, 7.6.3, Figs. 7-2, 7-3
US	6,134,269	Deinterleaving	1	3.16, 3.56, 3.57, 3.123, 3.137, 3.170, 6.1.3.9, 6.2.5, 7.3, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.4, 7.4.4.1.1, 7.4.5, Figs. 6-11, 6-12, 7-3, 7-4, 7-5, 7-6, 7-7, Table 7-1
US	6,148,030	Temporal scalability	7, 13	3.37, 3.8, 3.157, 3.221, 6.1, 6.1.3, 6.1.3.4, 6.3.3, 6.3.5, 7.1, 7.9, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3.2, 7.9.1.3.3, Tables 7-17, 9-1, Figs. 7-1, 7-2
US	6,148,109	DC/AC coefficient prediction	3	Intro., 3.14, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.5, Figs. 7-4, 7-5, 7-6
US	6,178,202	Global Motion Compensation	1	3.59, 3.61, 3.75, 3.144, 6.2.3, 6.2.5.4, 6.2.6, 6.3.3, 6.3.5.4, 6.3.6, 7, 7.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Figs. 7-1, 7-2, Tables 6-13, 6-19
US	6,215,905	DC coefficient prediction	1	7.4.3, 7.4.3.1, 7.4.3.2
US	6,256,064	Reversible VLC	1	6.2.1, 6.2.5.2, 6.3.3, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Annexes B.1.4, Figs. 7-3, Tables 6-1, 6-2, 6-3, B.23
US	6,275,533	DC/AC coefficient prediction	5	3.16, 3.137, 6.1.3.9, 6.3.6.3, 7.1, 7.4, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.5, 7.7.1, Figs. 6-11, 6-12, 7-2, 7-3, 7-5, 7-6
US	6,282,243	Prediction sample rounding	38	6.3.5, 6.3.6.2, 7.1, 7.6.2.1, 7.6.3, Figs. 7-2, 7-18
US	6,285,713	Sprite	1	6.2.5.4, 6.3.3, 6.3.5.4, 7, 7.1, 7.3, 7.4, 7.8, 7.8.4, 7.8.5, Table 6-21, Figs. 7-2, 7-3, 7-49
US	6,292,588	DC/AC coefficient prediction	7	3.5, 3.14, 3.47, 3.48, 6.1.3.2, 6.1.3.3, 6.2.7, 7.1, 7.4, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-2, 7-3, 7-5, 7-6
US	6,295,376	Prediction sample rounding	3	4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	6,301,301	Shape coding using prior VOP shape data	2	Intro., 3.10, 3.107, 6.2.5, 6.2.5.3, 6.3.5, 6.3.5.3, 7, 7.5, 7.5.2.1.2, 7.5.2.4, Fig. 7-1, Tables 6-20, 6-26, 7-2
US	6,324,215	Temporal scalability	1	Intro., 3.174, 3.202, 3.221, 6.1, 6.1.3, 6.1.3.4, 6.3.3, 6.3.5, 7.1, 7.9, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3.2, Table 9-1, Figs. 7-1, 7-2, 7-17, 7-52
US	6,333,949	Upsampling	9	6.1.3.4, 6.2.5, 6.3.3, 6.3.5, 7.1, 7.4, 7.4.6, 7.6.3, 7.6.10, 7.6.10.1.1, 7.6.10.1.3, 7.6.10.1.4, 7.6.10.2, Annex N, Figs. 7-3, V2-6, V2-19
US	6,334,000	Header extension	1	6.2.5, 6.2.5.2, 6.3.5
US	6,345,123	VLC escape coding	1	Intro., 3.48, 6.2.7, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3
US	6,349,149	VLC/Escape code decoding	1	Intro., 3.48, 6.2.7, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3, Fig. 7.3, Tables B-16, B-17, B-18a, B-18b, B-19, B-20, B-21, B-22
US	6,351,563	Enhancement Layer VOP Modes	1	7.5.4.6, 7.5.4.7, Table V2-29
US	6,353,681	Header extension	1, 9	6.2.5, 6.2.5.2, 6.3.5
US	6,360,016	Inverse scan	1	6.2.6, 6.2.7, 6.3.6, 7.1, 7.4, 7.4.1, 7.4.2, Figs. 7-2, 7-3, 7-4
US	6,366,703	DC/AC coefficient prediction	2	6.2.7, 6.3.5, 6.3.6, 7.1, 7.4, 7.4.1, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.4, Table 6-32, Figs. 7-3, 7-5, 7-6, 7-7
US	6,370,276	P-VOP decoding	1	Intro., 3.32, 3.33, 3.94, 3.127, 3.141, 3.143, 3.185, 6.2.5, 6.3.5, 7.3, 7.4, 7.6.7, Figs. 7-3, 7-24
US	6,373,856	Time code	8	6.2.5, 6.2.5.2, 6.3.1
US	6,377,708	DC/AC coefficient prediction	7	3.16, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.5, Fig. 7-5
US	6,400,889	Random reproduction	1	3.61, 3.106, 3.214, 6.1.3.4, 6.2.1, 6.2.3, 6.3.3, 7.4, Figs. 6-21, 7-3
US	6,404,815	Global Motion Compensation	13	3.75, 3.189, 3.228, 4.1, 6.2.3, 6.3.3, 6.3.5.4, 7.3, 7.8, 7.8.1, 7.8.2, 7.8.3, 7.8.3.1, 7.8.3.2, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Figs. 7-2, 7-49, 7-50, Tables 6-20, 9-2, 9-4
US	6,404,929	Variable length coding	1	7.4.1, 7.4.1.2, 7.4.1.3, Annex B, Fig. 7-3, Tables B-16, B-17, B-19, B-20
US	6,408,025	SA-DCT	1	3.71, 6.3.3, 7, 7.4.5, Annex A.3, A.3.1, Fig. 7-1, Table 7-2
US	6,408,096	Complexity estimation header	1	Intro., 3.14, 3.31, 3.107, 6.1.3, 6.2.3, 6.2.5.1, 6.3.3, 6.3.5.1, Fig. 7-2
US	6,408,098	Header extension	1	6.2.5, 6.2.5.2, 6.3.5
US	6,408,099	Complexity estimation	1	Intro., 3.16, 3.37, 3.137, 6.1.3, 6.2.3, 6.2.5.1, 6.3.3, 6.3.5.1, Fig. 7-2
US	6,418,268	Complexity estimation	1	3.16, 3.37, 3.137, 6.1.3, 6.2.3, 6.2.5.1, 6.3.3, 6.3.5.1, Fig. 7-2
US	6,442,205	Global Motion Compensation	2	3.59, 3.61, 3.75, 3.144, 6.2.3, 6.2.5.4, 6.2.6, 6.3.3, 6.3.5.4, 6.3.6, 7, 7.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Figs. 7-1, 7-2, Tables 6-13, 6-19
US	6,445,739	Quantization matrix generation	1	3.71, 3.169, 3.171, 6.2.3, 6.3.3, 7.1, 7.4, 7.4.1.2, 7.4.4, 7.4.4.1.2, Figs. 7-2, 7-3, 7-7
US	6,449,424	Random reproduction	1	3.61, 3.106, 3.214, 6.1.3.4, 6.2.1, 6.2.3, 6.3.3, 7.4, Figs. 6-21, 7-3
US	6,466,622	Temporal scalability	1	Intro., 3.174, 3.202, 3.221, 6.1, 6.1.3, 6.1.3.4, 6.3.3, 6.3.5, 7.1, 7.9, 7.9.1, 7.9.1.1, 7.9.1.2, 7.9.1.3.2, Table 9-1, Figs. 7-1, 7-2, 7-17, 7-52
US	6,480,628	Complexity estimation header	1	Intro., 3.14, 3.16, 3.31, 3.37, 3.107, 3.137, 6.1.3, 6.2.3, 6.2.5, 6.2.5.1, 6.3.3, 6.3.5.1, Fig. 7-2

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
US	6,483,877	Global Motion Compensation; sprite coding	1	3.50, 3.52, 3.64, 3.114, 6.2.5.4, 6.3.5.4, 7, 7.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, 7.8.7.3, Figs. 7-1, 7-2, V2-24
US	6,490,372	VLC escape coding	1	Intro., 3.48, 6.2.7, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3
US	6,501,793	Quantization matrix generation	1	3.71, 3.169, 6.2.3, 6.3.3, 7.4, 7.4.4, Figs. 7-2, 7-7
US	6,510,554	Sub-stream generation	7	Intro., 3.11, 3.14, 3.73, 3.184, 3.202, 7.4, 7.9, 7.9.1.1, 7.9.1.2, Figs. 7-3, 7-52, 7-53
US	6,516,033	Sprite	1	6.2.5.4, 6.3.3, 6.3.5.4, 7, 7.1, 7.4, 7.8, 7.8.4, 7.8.5, Figs. 7-2, 7-3, 7-49, Table 6-21
US	6,532,306	DC/AC coefficient prediction	1	3.16, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.5, Fig. 7-5
US	6,546,142	Spatial scalability	2	6.23, 6.33, 7, 7.4, 7.5, 7.5.2.1.2, 7.9, 7.9.2.3, 7.9.2.6, Fig. 7-3, 7-52, 7-54, 7-55
US	6,549,724	Frame display cycle	1	1, 3.106, 3.163, 6.2.3, 6.3.3
US	6,556,717	VLC/Escape code decoding	1	7.4.1, 7.4.1.2, 7.4.1.3, Tables B-16, B-17, B-21, B-22, Fig. 7-3
US	6,567,558	Prediction sample rounding	1	4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-18
US	6,571,361	Synchronization code	19	6.2.1, 6.2.5, 6.2.5.2, 6.2.6.2, 6.2.7, 6.3.5, 7, 7.4, Tables 6-2, 6-3, Fig. 7-3
US	6,574,369	VLC escape coding	1	Intro., 3.48, 6.2.7, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3
US	6,574,371	Prediction sample rounding	2	4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	6,580,832	Binary shape decoding	7	3.12, 3.73, 6.3.5.3, 7, 7.4, 7.5.4.6, Fig. 7-3, Tables 6-31, 7-6
US	6,580,834	Decoding (Run, EOP) coded bit planes	25	Intro., 3.AMD2.1, 3.AMD2.2, 6.3.14.1, 6.3.14.5, 7.17, 7.17.1, 7.17.2, 7.17.3, 7.17.4, Annex A, Fig. AMD2-1, Tables AMD2-7, AMD2-8, AMD2-11, AMD2-12
US	6,584,227	Prediction sample rounding	1	3.143, 3.175, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.6.2, 7.6.2.1, Figs. 7-2, 7-18, 7-29
US	6,606,419	Prediction sample rounding	2	4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	6,608,936	VLC escape coding	1	Intro., 3.48, 6.2.7, 7.4, 7.4.1, 7.4.1.2, 7.4.1.3
US	6,621,931	Header extension	1	6.2.5, 6.2.5.2, 6.3.5
US	6,631,214	Prediction sample rounding	11	3.114, 3.133, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-18
US	6,636,637	SA-DCT	1	3.71, 3.125, 3.126, 3.164, 6.3.3, 7, 7.4.5, A.3, A.3.1, A.4, A.4.1, Table 7-2, Fig. 7-1
US	6,643,409	Prediction sample rounding	5	3.182, 3.49, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-18
US	6,650,781	Prediction sample rounding	3	4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-18
US	6,654,541	Frame display cycle	1	1, 3.106, 3.163, 6.2.3, 6.3.3
US	6,654,545	Variable size block encoding	1	1, 3.106, 3.163, 6.2.3, 6.3.3, 6.3.5
US	6,671,412	Spatial scalability	2	7, 7.4, 7.9, 7.9.2.3, 7.9.2.6, Figs. 7-3, 7-52, 7-54, 7-55
US	6,671,456	Frame display cycle	4	1, 3.31, 3.58, 3.106, 3.163, 3.218, 6.2.3, 6.3.3, 6.3.5, 7, 7.4, Annexes D.1, D.2, Figs. 7-1, 7-3, D.1, D.2
US	6,678,326	Temporal scalability	1	Intro., 3.174, 3.202, 3.221, 6.1, 6.1.3, 6.1.3.4, 6.3.3, 6.3.5, 7, 7.9, 7.9.1, 7.9.1.1, 7.9.1.3, 7.9.1.3.2, Table 9-1, Figs. 7-1, 7-2, 7-52
US	6,680,975	Inverse scan	56	6.1.3.9, 6.3.5, 7, 7.1, 7.2, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.3, 7.4.4, Figs. 7-2, 7-4, 7-5, 7-6, 7-7
US	6,681,050	Quant_type syntax	1	6.2.3, 6.3.3, 7.1, 7.4, 7.4.4, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.2.1, 7.6.2.1, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, Figs. 7-2, 7-3, Tables 9-1, 9-4, 9-6
US	6,687,409	Fractional sample interpolation	1	6.3.3, 7.1, 7.4, 7.6.2.1, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, Figs. 7-2, 7-3, 7-29, 7-31, 7-32
US	6,701,018	Resynchronization marker	1	6.2.5, 6.2.5.2, 6.3.5
US	6,704,494	Reversible VLC	1	6.2.1, 6.3.3, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Annex B.1.4, Fig. 7-3, Tables 6-2, 6-3, B.23
US	6,707,986	Frame display cycle	1	1, 3.106, 3.163, 6.2.3, 6.3.3, 6.3.5
US	6,728,317	Fractional sample interpolation	2	3.114, 7.6.2, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, Fig. V2-18, Tables V2-39, V2-40
US	6,785,331	Global Motion Compensation	2	3.50, 3.52, 3.114, 3.116, 3.132, 6.2.6, 6.3.6, 7, 7.1, 7.8.7, 7.8.7.1, 7.8.7.3, Figs. 7-2, 7-3, 7-7, 7-18
US	6,859,559	DC/AC coefficient prediction	1	3.16, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.4, 7.4.5, Figs. 7-5, 7-6, 7-7
US	6,862,320	MPEG-4/H.263	1	6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.7, 6.3.3, 6.3.5.2, 7, Fig. 7-1
US	6,868,185	Prediction sample rounding	1	3.8, 3.157, 4.1, 6.2.5, 6.3.5, 7, 7.4, 7.6.2.1, Annex D.1, Figs. 7-3, 7-29, Table 9-4
US	6,909,809	Prediction sample rounding	1	3.8, 3.157, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2.1, Figs. 7-2, 7-3, 7-2
US	6,912,351	Prediction decoding	12	3.157, 6.3.5, 7, 7.6.7, 7.6.9.2, Table 6-24, Figs. 7-1, 7-38
US	6,915,013	Prediction sample rounding	1	3.8, 3.144, 3.157, 3.164, 3.165, 4.1, 6.1, 6.2.5, 6.2.6.2, 6.2.7, 6.3.5, 6.3.6.2, 7.1, 7.2, 7.3, 7.6.2.1, 7.6.3, Figs. 7-2, 7-3, 7-29
US	6,944,351	CBPY table selection	19	6.2.6, 6.3.6, 7, 7.1, 7.5, Annex B.1.2, Tables B.8 to B.11, Figs. 7-1, 7-2
US	6,952,432	Time base	1	1, 3.14, 6.2.5, 6.2.5.2, 6.2.7, 6.3.5, 7, 7.1
US	6,959,046	Resynchronization markers	1	3.8, 4.3, 6.3.5, 7, 7.4, 7.4.1, Fig. 7-3, Table 9-4
US	6,983,014	Header display speed information	18	3.71, 3.109, 3.221, 6.1.3, 6.2.1, 6.2.3, 6.3.3, 7, 7.3, 7.4, Figs. 6-19, 7-1, 7-3, Table 6-18
US	7,010,035	Quantization matrix	1	3.71, 3.169, 6.2.3, 6.3.3, 7.4, 7.4.1.2, 7.4.4, 7.4.4.1.2, Figs. 7-2, 7-3, 7-7
US	7,027,517	Shape data coding	1	Intro., 1, 3.12, 3.14, 6.2.5.2, 6.2.5.3, 6.3.5, 6.3.5.3, 6.3.6.1, 7, 7.1
US	7,068,721	Motion vector prediction	5	1, 3.12, 3.14, 3.37, 3.52, 3.107, 3.114, 3.115, 3.116, 3.127, 3.131, 3.132, 3.141, 3.143, 6.1.3.6, 6.1.3.8, 6.1.3.9, 7.6.3, 7.6.5, Figs. 7-20
US	7,072,518	Prediction sample rounding	1	3.8, 3.157, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,079,694	DC/AC coefficient prediction	1	3.16, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.4.4, 7.4.5, Figs. 7-5, 7-6, 7-7
US	7,110,456	Global Motion Compensation	1	3.75, 3.189, 4.1, 6.2.3, 6.3.3, 6.3.5.4, 7.3, 7.8, 7.8.2, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Figs. 7-2, 7-50, Table 6-21
US	7,116,829	VLC/Escape code decoding	1	7.4.1, 7.4.1.2, 7.4.1.3, Fig. 7-3, Tables B-19, B-20
US	7,127,110	Random accessible vol	93	6.2.3, 6.3.3, 7, 7.2, 7.4, Fig. 7-3
US	7,133,454	Sprite	1	6.2.5.4, 6.3.3, 6.3.5.4, 7, 7.1, 7.3, 7.4, 7.8, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Table 6-21, Figs. 7-2, 7-3, 7-49
US	7,155,110	Random reproduction	1	3.14, 6.1.3.4, 6.2.1, 6.2.3, 6.3.3, 7.4, Figs. 6-19, 6-21, 7-3
US	7,167,590	Fractional sample interpolation	2	6.3.3, 7.1, 7.4, 7.4.4, 7.4.5, 7.6, 7.6.2.1, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, Tables 9-2, 9-4, Figs. 7-3, 7-29, 7-30, 7-31, 7-32
US	7,184,601	Prediction sample rounding	1	3.8, 3.157, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,194,136	Inverse quantization	6	6.3.3, 7.1, 7.4, 7.4.4, 7.4.4.1, 7.4.4.2, 7.4.5, 7.6, Fig. 7-2, 7-3, Tables 9-1, 9-4
US	7,197,188	Random_accessible_vol	1	6.2.1, 6.2.3, 6.2.5, 6.3.3, 7, 7.2, 7.4, Figs. 6-21, 7-3, Tables 9-1, 9-3
US	7,248,742	Prediction sample rounding	1	3.8, 3.157, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,251,369	Prediction sample rounding	1	3.58, 3.218, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.3, 7.4, 7.6.2, 7.6.2.1, Annex D.1, Figs. 7-2, 7-3, 7-29
US	7,289,670	VLC/Escape code decoding	1	7.4.1, 7.4.1.2, 7.4.1.3, Fig. 7-3, Tables B-16, B-17, B-19, B-20, B-21, B-22
US	7,292,657	Scan pattern selection	1	6.1.3.9, 6.2.13.5, 6.3.13.5, 7, 7.1, 7.2, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, 7.16.4.2, Figs. 7-2, 7-3, 7-4, 7-5, 7-6, 7-104, 7-105
US	7,321,995	Start codes	1	1, 3.199, 6.2.1, 6.2.6.2, 6.2.7, 6.3.5, 7, 7.4, Fig. 7-3, Tables 6-2, 9-1
US	7,340,102	Fractional sample interpolation	4	6.3.3, 7.1, 7.4, 7.4.4, 7.4.4.1, 7.4.4.2, 7.4.5, 7.6, 7.6.2.1, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, Figs. 7-2, 7-3, 7-29, 7-31, 7-32
US	7,356,078	VOP time code	1	3.71, 3.109, 3.221, 6.1.3, 6.2.1, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.4, 6.3.5, 7, 7.3, 7.4, Figs. 6-19, 7-1, 7-3, Tables 6-3, 6-18, 6-23
US	7,362,907	Random_accessible_vol	1	Intro., 3.71, 3.221, 6.1.3, 6.2.1, 6.2.3, 6.2.4, 6.2.5, 6.3.3, 6.3.5, 7, 7.2, 7.4, 7.5, Figs. 6-19, 6-21, 7-3, Tables 6-24, 9-1, 9-3
US	7,376,187	Reversible VLC	7	6.2.1, 6.2.5.2, 6.3.3, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Annex B.1.4, Figs. 7-3, Tables 6-2, 6-3, B.23
US	7,379,606	VLC/Escape code decoding	1	7.4.1, 7.4.1.2, 7.4.1.3, Figs. 7-3, Tables B.16, B.17, B.18a, B.18b, B.21, B.22
US	7,388,914	Reversible VLC	5	6.2.1, 6.2.5.2, 6.3.3, 6.3.5, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, Annex B.1.4, Figs. 7-3, Tables 6-2, 6-3, B.23
US	7,394,941	DC/AC coefficient prediction	1	3.56, 6.2.7, 7.1, 7.4, 7.4.1, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-2, 7-3, 7-5, 7-6
US	7,421,133	Prediction sample rounding	1	3.123, 3.157, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2.1, 9.1, 9.2, Figs. 7-2, 7-3, 7-29, Tables 9-1, 9-5
US	7,424,158	DC/AC coefficient prediction	1	3.5, 3.16, 3.56, 6.1.3.7, 6.1.3.7.1, 7.4, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 6-1, 7-3, 7-5, 7-6
US	7,424,161	Prediction sample rounding	1	3.144, 3.157, 3.164, 3.165, 4.1, 6.1, 6.2.5, 6.2.6.2, 6.2.7, 6.3.5, 6.3.6.2, 7.1, 7.2, 7.3, 7.6.2.1, 7.6.3, 9.1, 9.2, Figs. 7-2, 7-3, 7-29, Tables 9-1, 9-5
US	7,426,307	Prediction sample rounding	1	3.123, 3.157, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2.1, 9.1, 9.2, Figs. 7-2, 7-3, 7-29, Tables 9-1, 9-5
US	7,433,525	NEWPRD mode	1	3.116, 3.127, 6.2.6.2, 6.3.6.2, 7, 7.6, 7.6.7, 7.6.9.1, 7.14, 7.14.1, Fig. 7-1, 7-24, Table 6-20
US	7,437,008	DC coefficient prediction	1	6.2.7, 7.4, 7.4.1.1, 7.4.2, 7.4.3.1, 7.4.3.2, Figs. 7-3, 7-4, 7-5
US	7,444,029	DC/AC coefficient prediction	1	6.2.7, 7.4, 7.4.1.1, 7.4.1.2, 7.4.2, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-3, 7-4, 7-5, 7-6
US	7,454,669	Synchronization code	15	1, 3.44, 3.45, 3.199, 6.2.1, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6.2, 6.2.7, 6.3.3, 6.3.5, 6.3.5.2, 7, 7.4, Fig. 7-3, Tables 6-2, 6-3
US	7,464,305	Synchronization code	1	1, 6.2.1, 6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6.2, 6.2.7, 6.3.3, 6.3.5, 7, 7.4, Fig. 7-3, Tables 6-2, 6-3
US	7,469,008	DC coefficient prediction	1	6.2.7, 7.4, 7.4.1.1, 7.4.2, 7.4.3.1, 7.4.3.2, Figs. 7-3, 7-4, 7-5
US	7,469,009	MPEG-4/H.263	2	6.2.3, 6.2.5.2, 6.3.3, 6.3.5.2, 7, 7.2, Fig. 7-1, Tables 6-28, 6-29
US	7,471,836	Prediction sample rounding	1	3.58, 3.144, 3.157, 3.164, 3.165, 3.218, 4.1, 6.1, 6.2.5, 6.3.5, 6.3.6.2, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2.1, 7.6.3, 9.1, 9.2, Annex D.1, Figs. 7-2, 7-3, 7-29, Tables 9-1, 9-5
US	7,472,316	Synchronization code	1	1, 3.199, 6.2.1, 6.2.5, 6.2.5.2, 6.2.6.2, 6.2.7, 6.3.3, 6.3.5, 7, 7.4, Fig. 7-3, Tables 6-2, 6-3
US	7,472,317	Synchronization code	1	1, 3.44, 3.45, 3.199, 6.2.1, 6.3.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6.2, 6.2.7, 6.3.3, 6.3.5, 7, 7.4, Fig. 7-3, Tables 6-2, 6-3

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
US	7,475,298	Synchronization code	1	1, 6.2.1, 6.2.5, 6.2.5.2, 6.2.6.2, 6.2.7, 6.3.5, 7, 7.4, Fig. 7-3, Tables 6-2, 6-3
US	7,522,775	VLC/Escape code decoding	1	7.4.1, 7.4.1.2, 7.4.1.3, Fig. 7-3, Tables B.16, B.17, B.21, B.22
US	7,668,384	Prediction sample rounding	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,669,108	Synchronization code	1	1, 6.2.1, 6.2.5, 6.2.5.2, 6.2.6.2, 6.2.7, 6.3.5, 7, 7.4, Fig. 7-3, Tables 6-2, 6-3
US	7,676,100	Prediction sample rounding	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,702,166	Prediction sample rounding	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,702,167	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,720,149	MPEG-4/H.263	2	6.2.3, 6.2.5, 6.2.5.2, 6.2.5.3, 6.2.6, 6.2.7, 6.3.3, 6.3.7, 7, 7.4.1.1, Fig. 7-1
US	7,724,966	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,724,967	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,724,968	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,724,969	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	7,801,366	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-29
US	7,801,367	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-29
US	7,801,368	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-29
US	7,801,369	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-29
US	7,801,370	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-29
US	7,801,371	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-29
US	7,801,372	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-29
US	7,801,373	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-7, 7-29
US	7,801,374	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,801,375	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,801,376	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,801,377	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,801,378	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,801,379	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,801,380	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,801,381	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,860,159	Quantization matrix	1	3.137, 6.2.3, 6.3.3, 7.4, 7.4.4, Figs. 7-3, 7-7
US	7,929,779	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,780	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,781	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,782	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,783	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,784	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,785	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,786	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,787	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,788	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,929,789	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,933,457	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,936,934	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,936,935	Bilinear interpolation; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	7,970,217	Random accessible vol	1	3.94, 3.95, 6.2.3, 6.3.3, 7, 7.4, Annex B.1.1, Fig. 7-3 and Table B.1.
US	7,995,654	DC coefficient prediction	1	3.14, 3.47, 7.4, 7.4.3.1, 7.4.3.2, Figs. 7-3, 7-6
US	8,005,143	MPEG-4/H.263; Adaptive AC coefficient prediction	1	6.2.3, 6.2.5, 6.2.5.2, 6.2.6, 6.3.3, 6.3.6, 7, 7.4.3, 7.4.3.1, 7.4.3.3, Fig. 7-1
US	8,031,781	MPEG-4/H.263	1	6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5.2, 7, 7.2, 7.4.4.4, 7.4.5, Fig. 7-1, Tables 6-24, 6-25
US	8,036,277	MPEG-4/H.263	1	6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5.2, 7, 7.2, 7.4.4.1, 7.4.4.2, Fig. 7-1, Tables 6-24, 6-25
US	8,036,278	MPEG-4/H.263	1	6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5.2, 7, 7.2, Fig. 7-1, Tables 6-24, 6-25
US	8,036,279	MPEG-4/H.263	1	6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5.2, 7, 7.2, 7.6.3, Fig. 7-1, Tables 6-24, 6-25, 7-5
US	8,040,955	MPEG-4/H.263; Escape code decoding	1	6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 7, 7.4.1.2, 7.4.1.3, Fig. 7-1
US	8,040,956	MPEG-4/H.263; scalability	1	3.150, 6.2.3, 6.2.5, 6.2.5.2, 6.2.6, 6.3.3, 6.3.5.2, 6.3.6, 7, 7.2, Fig. 7-1, Tables 6-24, 6-25
US	8,045,617	MPEG-4/H.263; short video header	1	6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 6.3.5.2, 7, 7.2, 7.4.4.1, 7.4.4.2, Fig. 7-1, Tables 6-24, 6-25
US	8,045,623	MPEG-4/H.263; short video header	1	6.2.3, 6.2.5, 6.2.5.2, 6.2.6, 6.3.3, 6.3.5.2, 7, 7.2, Fig. 7-1, Tables 6-24, 6-25
US	8,045,624	MPEG-4/H.263; short video header	1	3.14, 3.70, 3.71, 6.1.3, 6.2.2, 6.2.3, 6.2.5.2, 6.3.2, 6.3.3, 7, Fig. 7-1
US	8,054,889	MPEG-4/H.263; short video header	1	6.2.3, 6.2.5, 6.2.5.2, 6.3.3, 7, 7.4.1.2, Fig. 7-1, Tables B-16, B-17
US	8,098,734	Global Motion Compensation	1	3.64, 3.154, 3.191, 6.2.3, 6.2.5.4, 6.3.3, 6.3.5.4, 7.3, 7.8, 7.8.2, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Tables 6-14, V2-2 and Fig. 7-2
US	8,160,373	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	8,170,105	Global Motion Compensation	1	3.64, 3.154, 4.1, 6.2.5.4, 6.3.3, 6.3.5.4, 7.3, 7.8, 7.8.2, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Table 6-17, Figs. 7-2, 7-31
US	8,194,742	Global Motion Compensation	1	3.64, 3.154, 4.1, 6.2.5.4, 6.3.3, 6.3.5.4, 7.3, 7.8, 7.8.2, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Tables 6-16, 6-17, Figs. 7-2, 7-31
US	8,204,110	Global Motion Compensation	1	3.50, 3.52, 3.64, 3.114, 4.1, 6.2.3, 6.2.5.4, 6.2.6, 6.3.3, 6.3.5.4, 6.3.6, 7.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Figs. 7-1, 7-2, Tables 6-11, 6-17, V2-2, B-33
US	8,233,543	Global Motion Compensation	1	3.50, 3.52, 3.64, 3.114, 4.1, 6.2.3, 6.2.5.4, 6.2.6, 6.3.3, 6.3.5.4, 6.3.6, 7.1, 7.8.4, 7.8.5, 7.8.6, 7.8.7.1, Figs. 7-1, 7-2, Tables 6-11, 6-17, V2-2, B-33
US	8,295,350	Shape coding P-VOP	1	3.61, 3.127, 3.133, 3.134, 3.143, 7, 7.3, 7.4, 7.5, 7.5.2.2, 7.6, 7.6.1, Figs. 7-1, 7-3, 7-27
US	8,611,683	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	8,611,684	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	8,611,685	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18

MPEG-4 Visual Patent Portfolio License Illustrative Cross-Reference Chart

Ctry.	Patent	Description	Cl. #	Sections
US	8,615,139	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	8,625,915	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	8,649,618	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	8,649,619	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	8,675,977	Prediction sample rounding; vop_rounding type	1	3.94, 3.127, 4.1, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	8,737,463	Fixed VOP rate flag	1	3.71, 3.109, 3.221, 6.1.3, 6.2.1, 6.2.3, 6.2.5, 6.3.3, 7, 7.3, 7.4, Figs. 6-19, 7-1, 7-3
US	8,942,492	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	8,942,497	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	8,942,498	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	8,942,499	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	8,942,500	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	8,942,501	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	8,942,504	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	8,948,527	Prediction sample rounding; vop_rounding type	1	6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-29
US	9,154,789	Global Motion Compensation	8	3.114, 3.116, 3.132, 6.3.6, 7, 7.1, 7.6.1.6, 7.6.3, 7.6.5, 7.8.7, 7.8.7.1, 7.8.7.3, Figs. 7-2, V2-24
US	9,161,044	Prediction sample rounding; vop_rounding type	1	3.127, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	9,161,045	Prediction sample rounding; vop_rounding type	1	3.127, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	9,161,051	Prediction sample rounding; vop_rounding type	1	3.127, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	9,161,052	Prediction sample rounding; vop_rounding type	1	3.127, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	9,161,053	Prediction sample rounding; vop_rounding type	1	3.127, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	9,161,054	Prediction sample rounding; vop_rounding type	1	3.127, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	9,161,055	Prediction sample rounding; vop_rounding type	1	3.127, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	9,167,262	Prediction sample rounding; vop_rounding type	1	3.127, 6.2.5, 6.3.5, 7, 7.1, 7.2, 7.3, 7.4, 7.6.2, 7.6.2.1, Figs. 7-2, 7-3, 7-18
US	Re. 34,965	B-VOP decoding	13	3.82, 3.84, 6.1.3.2, 6.1.3.7, 7.3, 7.6, 7.6.9.4
US	Re. 35,158	B-VOP decoding	16	3.82, 3.84, 6.1.3.2, 6.1.3.7, 6.3.6, 7.3, 7.6, 7.6.9.4
US	Re. 35,910	Bidirectional decoding	7	3.107, 6.1.3.7, 7.2, 7.3, 7.4, 7.6.9.1, 7.6.9.4, 7.15.1, Fig. 7-3
US	Re. 37,222	B-VOPs/Motion vector coding	33, 36	6.1.3.4, 6.1.3.7, 6.2.6.2, 6.3.5, 6.3.6.2, 7.6.3, Table B-12
US	Re. 37,568	Inverse Quantizer	4	6.2.3, 6.2.5, 6.2.5.2, 6.2.6, 6.2.7, 6.3.3, 6.3.5, 6.3.6, 7.4.2.1, 7.4.2.2, 7.4.4, 7.4.4.1, 7.4.4.1.1, 7.4.4.1.2, 7.4.4.2, 7.4.4.2.1, 7.4.4.6, 7.4.5, AMD1:7.16.4.3, 7.16.4.3.1, 7.16.4.3.2, 7.16.4.3.2.1, 7.16.4.3.2.2, 7.16.4.3.2.3, 7.16.4, 7.16.4.3.5, 7.16.4.4, Figs. AMD1-12, AMD1-15, Tables AMD1-38, AMD1-39
US	Re. 37,755	Shape data interpolation	6	7.5.2.5.3, Figs. 7-16, 7-17
US	Re. 37,792	Shape data interpolation	6	7.5.2.5.3, Figs. 7-16, 7-17
US	Re. 38,563	Motion vector decoding	1	3.8, 3.21, 3.96, 3.97, 3.121, 3.146, 3.203, 6.1.3.4.2, 6.2.6, 7.6.7, 7.7.2.1, 7.7.2.2, Figs. 7-38, 7-48
US	Re. 38,726	Subframe timing	1	3.137, 6.1.3.2, 6.1.3.4, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.5
US	Re. 38,923	Time base	1	6.2.3, 6.2.5, 6.3.5, 9.1, Table 9-1
US	Re. 39,115	Time base	13	Intro., 3.8, 3.123, 3.157, 3.175, 3.227, 6.2.3, 6.2.5, 6.3.5, 7.7, 7.7.2.2, Fig. 7-48, Table 7-15
US	Re. 39,167	Adaptive variable length decoding	8	6.3.5, 6.3.6, 7, 7.4, 7.4.1, 7.4.1.4, 7.4.2, Annexes B.1.1, B.1.2, Tables 6-24, 6-25, 6-32, B.1, B.6, B.7, Figs. 7-3, 7-4
US	Re. 39,318	DC/AC coefficient prediction	6	3.16, 3.137, 6.2.5, 6.3.5, 7.1, 7.4, 7.4.1, 7.4.2, 7.4.3, 7.4.3.1, 7.4.3.2, 7.4.3.3, Figs. 7-2, 7-3, 7-4, 7-5, 7-6, Tables 9-1, 9-4
US	Re. 39,367	Subframe timing	17	3.137, 6.1.3.2, 6.1.3.4, 6.2.5, 6.2.5.2, 6.2.5.3, 6.3.5
US	Re. 39,237	Shape data interpolation	1	7.5.2.5.3, Figs. 7-16, 7-17
US	Re. 40,177	Block boundary filtering	21	3.173, 6.3.5, 7.6.10, 7.6.10.1.5, Figs. 7-40, 7-44
US	Re. 40,664	Time base	9	Intro., 6.2.3, 6.2.4, 6.2.5, 6.3.4, 6.3.5
US	Re. 40,782	Adaptive variable length decoding	8	6.3.5, 6.3.6, 7, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.4, 7.4.2, Tables 6-24, 6-25, 6-32, B.1, B.6, B.7, B.13, B.14, B.16, B.17, B.23, Figs. 7-3, 7-4
US	Re. 40,980	Adaptive variable length coding	8	3.44, 6.3.5, 6.3.6, 7, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.4.2, Tables 6-24, 6-25, 6-32, B.1, B.6, B.7, B.13, B.14, B.16, B.17, B.23, Figs. 7-3, 7-4
US	Re. 41,089	Deblocking filter	27	3.52, 3.107, 6.3.6, 7, 7.5.5.4, 7.5.5.5, 7.6.10.1.5, Figs. 7-1, V2-23
US	Re. 41,154	Adaptive variable length decoding	8	6.3.5, 6.3.6, 7, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.4, 7.4.2, Tables 6-24, 6-25, 6-32, B.1, B.6, B.7, B.13, B.14, B.16, B.17, B.23, Figs. 7-3, 7-4
US	Re. 41,383	Texture coding; padding process	15	3.14, 3.96, 3.97, 3.137, 3.146, 3.221, 6.1.3.9, 6.1.3.10, 6.1.3.11, 6.1.3.11.1, 6.3.3, 6.3.6.3, 7.1, 7.3, 7.4, 7.4.4, 7.4.5, 7.6.1, 7.6.1.1, 7.6.1.2, 7.6.1.5, 7.6.3, 7.6.9.5.3, 7.7, 7.7.2, 7.7.2.1, Figs. 6-12, 7-2, 7-3, 7-7, 7-27
US	Re. 41,435	Adaptive variable length decoding	8	6.3.5, 6.3.6, 7, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.4, 7.4.2, Tables 6-24, 6-25, 6-32, B.1, B.6, B.7, B.13, B.14, B.16, B.17, B.23, Figs. 7-3, 7-4
US	Re. 41,458	Adaptive variable length decoding	8	6.3.5, 6.3.6, 7, 7.4, 7.4.1, 7.4.1.1, 7.4.1.2, 7.4.1.4, 7.4.2, Tables 6-24, 6-25, 6-32, B.1, B.6, B.7, B.13, B.14, B.16, B.17, B.23, Figs. 7-3, 7-4
US	Re. 43,360	Fractional sample interpolation	12	3.114, 7.6.2, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, Fig. V2-18, Tables V2-39, V2-40
US	Re. 44,235	Fractional sample interpolation	12	3.114, 7.6.2, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, Fig. V2-18, Tables V2-39, V2-40
US	Re. 45,082	Fractional sample interpolation	12	3.114, 7.6.2, 7.6.2.2, 7.6.2.2.1, 7.6.2.2.2, Fig. V2-18, Tables V2-39, V2-40