

VC-1 Patent Portfolio License Cross-Reference Chart

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

Ctry.	Patent No.	Description	Claim	Sections
AT	108587	Variable length coding	1	4.12, 6.2, 7.1.4.6, 8.1.3.4, 8.3.6.1.7, 11.8, 11.8.1, Annex A
AT	157830	Decoding delay parameters	10	1, 6.1.15, 7.1, 7.1.1, 7.1.1.6, Annex C.1.1
AT	160252	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
AT	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
AT	464748	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
AT	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
AT	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
BE	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
BE	460751	Decoding delay parameters	10	1, 6.1.15, 7.1, 7.1.1, 7.1.1.6, Annex C.1.1
BE	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
BE	1091589	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
BE	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
BE	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
BE	1,457,056	Skipped Macroblock	1	4.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
BE	1,746,844	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.4, C.6, Fig. 163
BE	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
BE	1,753,248	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.3, C.3.1, Fig. 163
BE	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
CH	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
CH	397402	B-pictures	7	1, 4.12, 8, 8.3.6, 8.3.6.5, 8.4.6, 10, 10.8.7
CH	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
CH	1091589	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
CH	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
CH	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
CH	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
CN	200410005357.5	Deblock Filtering	1	8.3.5.2.1, 8.6, 8.6.2, 8.6.4, Figs. 50, 77
CN	200610099668.1	Motion compensated prediction	2	3.2, 4.12, 5.2.2, 7.1.1, 7.1.1.32, 7.1.3, 7.1.3.13, 7.1.3.14, 7.1.3.15, 7.1.4, 7.1.4.1, 7.1.4.6, 8.3.6.5, 8.4, 8.4.4.2, 8.4.5, 8.4.5.1, Figs. 3, 4, 8, Tables 48, 57
CN	200610099669.6	Motion compensated prediction	2	3.2, 4.12, 5.2.2, 7.1.1, 7.1.1.32, 7.1.3, 7.1.3.13, 7.1.3.14, 7.1.3.15, 7.1.4, 7.1.4.1, 7.1.4.6, 8.3.6.5, 8.4, 8.4.4.2, 8.4.5, 8.4.5.1, 8.4.5.3, Figs. 3, 4, 8, Tables 48, 57.
CN	100401780C	Inverse transform	1	1, 3.2, 4.12, 6.2, 6.2.9, 7, 7.1, 7.1.1, 7.1.1.4, 7.1.1.40, 7.1.1.41, 7.1.3.10, 7.1.3.12, 7.1.3.13, 8.3.4.7, 8.3.4.8, 8.3.5.2.1, 8.3.5.6, 8.3.6, 8.3.6.2, 8.3.6.2.1, 8.3.6.4, 8.4.4.6, 8.4.4.7, 8.4.5, 8.4.5.1, 8.4.5.13, 8.4.6, Annex J.1.14, Figs. 3, 4, 60, Tables 14, 21, 22, 30, 34, 35, 53, 54, 55, 56
CZ	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
CZ	1,457,056	Skipped Macroblock	1	4.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
CZ	1,746,844	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.4, C.6, Fig. 163
CZ	1,753,248	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.3, C.3.1, Fig. 163
DE	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6

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Ctry.	Patent No.	Description	Claim	Sections
DE	3750206	Variable length coding	1	4.12, 6.2, 7.1.4.6, 8.1.3.4, 8.3.6.1.7, 11.8, 11.8.1, Annex A
DE	3767919.8	Skipped Blocks	1	1, 4.12, 5.2.2, 7.1.1.37, 7.1.3.7, 7.1.3.8, 7.1.3.9, 7.1.3.11, 7.1.3.13, 7.1.3.15, 7.2, 8.1.3.10, 8.3.4.4, 8.3.5.1, 8.3.5.4.1, 8.3.5.5, 8.7, 9.1
DE	3855114	Macroblock headers	1	4.12, 7.1.3.8, 7.1.3.11, 8.3.5.1, 8.3.5.1.1, 8.3.5.1.2, 8.3.5.2, 8.3.5.2.1, Annexes D, K, K.1, Tables 28, 252, Figs. 185, 186
DE	3871998	Transform selection	1	3.2, 4.12, 9.1.1.18, 10.5, 10.5.1, Annex D, Figs. 4, 101
DE	10143063	Bitplane decoding	1	1, 4.12, 7.2, 7.2.1, 7.2.2, 7.2.3, 8.7, 8.7.1, 8.7.2, 8.7.3, 8.7.3.2, 8.7.3.3, 8.7.3.8, Fig. 32, Tables 69, 80
DE	19829468	Deblock Filtering	1	1, 7, 7.1, 7.1.1, 7.1.1.27, Annex H, H.1, Table 41, Figs. 177, 178
DE	50103996.1	Interlace decoding	12	1, 4.12, 8.3.6.2, 8.3.6.5, 10.3.3, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.4.1, Figs. 59, 108, 121
DE	59901416.4	Motion vector prediction	2	1, 4.12, 7.1.1, 7.1.1.32, 7.1.1.36, 8.3, 8.3.3, 8.3.3.2, 8.3.4, 8.3.4.3, 8.3.5, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.3, 8.3.5.3.4, 8.3.5.4, 8.3.5.4.1, Figs. 53, 54
DE	60047789	Bilinear interpolation	2	3.2, 4.12, 7, 7.1, 7.1.3, 7.1.3.8, 7.1.3.13, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.4.5, 8.4.5.1, 8.4.5.5, Figs. 3, 4, 16, 17, 25
DE	60214248.2	Overlap Smoothing	1	1, 3.1, 4.12, 7.1.1, 7.1.1.4, 8.5, 8.5.1, 8.5.2, 8.6, Fig. 74, Tables 33, 34
DE	60234962.1	Overlap Smoothing	3	1, 4.12, 6.2.10, 8.2, 8.5, 8.5.1, 8.5.2, 8.6, 10.2, 10.3.3, 10.3.4, Annex J.1.15
DE	60302602.8	Fractional Sample Interpolation	9	3.2, 4.12, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, Fig. 64
DE	60306011.0	Fractional Sample Interpolation	1	4.12, 8.3.5.2.1, 8.3.6.5.2, 8.3.6.5.2.1
DE	60307354.9	Motion Compensation	19	4.12, 6.2.6, 8, 8.3.5, 8.3.5.2.1, 8.3.5.3, 8.3.5.4, 8.3.5.4.1, 8.3.5.4.2, 8.3.5.4.3, 8.3.5.4.4, 8.3.5.4.5, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex J.1.11, Figs. 63,
DE	60309375.2	MVMODE	1	1, 4.12, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8, 8.1, 8.2, 8.3, 8.3.4.3, 8.3.8, 8.4, 9.1.1.48, 10.3.8, Fig. 67
DE	60310368.5	Start codes	1	4.12, 7.1, 8, Annex E, E.1, E.1.1, E.2, Table 254,
DE	60310800	Fractional Sample Interpolation	1	8.3.6, 8.3.6.5, 8.3.6.5.2, Figs. 64, 65
DE	60332175.5	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
DE	68925011	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
DE	69024235.2	B-pictures	1	4.12, 8, 10, Annex G, G.3, G.3.1
DE	69027710	B-pictures	7	1, 4.12, 8, 8.3.6, 8.3.6.5, 8.4.6, 10, 10.8.7
DE	69027820.9	Inverse transform	4	1, 7.1, 7.1.1.6, 7.1.1.7, 7.1.1.8, 7.1.1.31, 8.1.3, 8.1.3.3, 8.1.3.8, 8.1.3.9, 8.1.3.10, 9.1, 9.1.1.25, 10.1.2, 10.1.2.7, 10.1.2.9, Annex A, J.1.13, Figs. 3, 13, 14
DE	69030056.5	Decoder buffer conformance	11	1, 4.12, 6.1.15.1, Annex C, C.1.1, J.2.1, Fig. 162
DE	69030819.1	B-pictures	1	1, 3.2, 4.12, 5.4, 8, 8.3.6.5, 8.3.6.5.3, 8.4, 10, 10.4, Fig. 4, Table 2
DE	69031045.5	B-pictures	1	3.2, 4.12, 4.14, 5.4, 6, 7.1.1.4, 8.1.3, 8.1.3.3, 8.1.3.4, 8.3.6.5.1, 8.3.6.5.2, 8.3.6.5.3, 8.3.6.2, 8.3.6.3, 8.3.6.2.1, 8.3.6.2.2, 8.3.6.2.3, 8.3.6.2.4, 8.3.6.2.5, 8.3.6.3, 8.3.6.4, Annex D, Table 2, Figs. 3, 4, 36, 59
DE	69031107.9	B-pictures	6	1, 3.1, 4.12, 5.2.2, 8.4.5, 8.4.5.1, Fig. 8
DE	69109346	Hierarchical picture coding types	1	3.2, 4.12, 7.1.1.4, 9.1.1.2, Annex D, Table 252, Figs. 3, 4, 5
DE	69127224	Broken_link	2	1, 4.12, 5.4, 6.2.1, 6.2.2, Fig. 36, Table 2
DE	69127504	Decoding delay parameters	10	1, 6.1.15, 7.1, 7.1.1, 7.1.1.6, Annex C.1.1
DE	69233466.1	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
DE	69315203	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
DE	69321781.2	Scanning pattern	10	4.12, 5.2.2, 7.1.4.6, 8.1.3.4, 8.1.3.5, 8.1.3.6, 8.1.3.7, 10.1.2.4, 10.1.2.5, Figs. 44, 45, Table 73
DE	69434271.8	Variable length coding	1	3.2, 7.1.1.6, 7.1.4.6, 8.1, 8.1.3.1, 8.1.3.4, 8.1.3.6, 11.7, 11.8, 11.8.1, 11.8.2, Annex A, Tables 71, 72

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Ctry.	Patent No.	Description	Claim	Sections
DE	69434369	Variable length coding	5	1, 4.13, 7.1.1.4, 7.1.1.6, 7.1.4.1, 7.1.4.6, 8.1.1.2, 8.1.3.4, 8.1.3.5, 8.3, 8.3.4.9, 8.3.6.2.3, 11.7, 11.8, Tables 36, 39, 71, 72, 78, 79
DE	69715815.2	Variable length coding	1	1, 4.12, 7.1.4.6, 7.1.4.7, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
DE	69720558.4	Variable length coding	1	1, 4.12, 7.1.4.6, 7.1.4.7, 7.1.4.10, 7.1.4.12, 7.1.4.13, 7.1.4.14, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
DE	69724841	Variable length coding	1	4.12, 7.1, 7.1.4.6, 7.1.4.7, 7.1.4.8, 7.1.4.15, 8, 8.1, 8.1.3.4, 8.1.3.5, 8.3.4.9, Fig. 41, Tables 31, 58
DE	69735679.5	Variable length coding	1	4.12, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.1.3.4, 8.1.3.5, 11.8, Fig. 41, Table 58
DE	69735680.9	Variable length coding	1	4.12, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.1.3.4, 8.1.3.5, 11.8, Fig. 41, Tables 58, 177
DE	69735838	DC Predictor; intra block decode	4	1, 3.1, 4.12, 7.1.1.4, 8.1, 8.1.3, 8.1.3.1, 8.1.3.2, 8.1.3.3, Annex A.1, Figs. 38, 40, Tables 33, 35
DE	69739536.7	Run-level coding	1	1, 4.12, 7.1.4, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8.1.1.1, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
DE	69813688.8	MVMODE	6	1, 4.12, 7.1.3.8, 7.1.1.32, 8.3.5.2.1, 9.1.1.46, 9.1.3.12, 10.3.5.4.2.1, Table 46
DE	69817460	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
DE	69842968	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
DE	69843113	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
DE	69843114	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63, Tables 33, 34
DE	69912527.8	MVTAB	1	1, 7.1.1, 7.1.3, 7.1.3.6, 7.1.3.11, 7.1.1.38, 8.3.4.5, 8.3.5.2.1, 8.3.6.5, 11.10, Table 51
DE	69937462.6	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
DE	69941965	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
DE	60 2004 042 320.3	Motion Compensation	1	4.12, 8.3.6.5, 10.3.5, 10.3.5.1, 10.3.5.1.2, 10.3.5.4, 10.3.5.4.2, 10.3.5.4.4, 10.3.5.4.4.2, 10.3.5.4.4.2.2, 10.3.6.2.7, Fig. 123
DE	60 2004 045 328.5	Entry point start code	27	1, 4.12, 3.1, 7.1.1.15, 9.1.1, 9.1.1.1, Annex G, G.3, G.3.1, G.3.2, G.3.3, G.3.4, G.3.5, Figs. 167, 168, 169, 170, 171, Table 41
DE	60 2004 047 414.2	Interlace decoding	1	4.12, 8.3.6.5, 9.1.1.44, 10.3.3, 10.3.5, 10.3.5.4.2, 10.3.5.4.2.1, 10.3.6.2.7, Fig. 99, Table 88
DE	60 2004 047 789.3	Motion Compensation	1	4.12, 9.1.1.44, 10.3.3, 10.3.5.4.2, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4.2, 10.3.5.4.4.1, Figs. 99, 118, 121, Table 88
DE	60 2004 050 555.2	Direct mode	1	1, 4.12, 8.3.6.2, 10.3, 10.3.5, 10.3.5.1, 10.3.5.1.1, 10.4.5, 10.4.5.1, 10.4.5.1.1, 10.4.5.6, 10.7.3.4, Figs. 59, 125
DE	60 2004 050 590.0	Interlace decoding	1	1, 4.12, 7.1.3.12, 7.1.3.14, 9, 9.1, 9.1.1.41, 9.1.3.14, 9.1.3.15, 9.1.3.16, 10.4, 10.4.5.5, 10.8, 10.8.6.1.2, 10.8.6.4, 10.8.6.7, Tables 57, 84, 92, 110
DE	602 34 875.7	Deblock Filtering	1	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
DE	602 42 057.1	Deblock Filtering	2	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
DE	602 42 994.3	Deblock Filtering	2	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
DE	602 43 675	Deblock Filtering	3	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
DE	602 44 434.9	Deblock Filtering	1	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Annex H.1, Figs. 59, 77, 78, 79, 177
DE	602 47 918.5	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.3, C.3.1, Fig. 163
DE	602 47 919.3	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.4, C.6, Fig. 163
DE	602 48 253.4	Skipped Macroblock	1	4.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
DE	602 49 294.7	Skipped Macroblock	1	1, 4.12, 7.1.1.37, 7.1.3.7, 7.2, 7.2.2, 8.3.4.4, 8.3.5.3.6, 8.7, 8.7.2, Fig. 32, Tables 22, 69
DE	603 43 972.1	MVMODE	1	4.12, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8.3.8, Fig. 67

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Ctry.	Patent No.	Description	Claim	Sections
DE	603 46 113.1	MVMODE	1	4.12, 7.1.1.32, 7.1.1.33, 7.1.1.34, 7.1.1.35, 7.2.2.32, 7.2.2.33, 8.3.4.3, 8.3.8, Tables 46, 47, 49, 50
DE	698 43 432.3	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex C, Figs. 3, 4, 63, 162
DK	443676	Hierarchical picture coding types	1	3.2, 4.12, 7.1.1.4, 9.1.1.2, Annex D, Table 252, Figs. 3, 4, 5
DK	460751	Decoding delay parameters	10	1, 6.1.15, 7.1, 7.1.1, 7.1.1.6, Annex C.1.1
DK	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
DK	1091589	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
DK	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
DK	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
DK	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
DK	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
ES	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
ES	1,237,376	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex C, Figs. 3, 4, 63, 162
ES	1359763	Fractional Sample Interpolation	1	8.3.6, 8.3.6.5, 8.3.6.5.2, Figs. 64, 65
ES	1359764	MVMODE	1	1, 4.12, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8, 8.1, 8.2, 8.3, 8.3.4.3, 8.3.8, 8.4, 9.1.1.48, 10.3.8, Fig. 67
ES	1359768	Motion Compensation	19	4.12, 6.2.6, 8, 8.3.5, 8.3.5.2.1, 8.3.5.3, 8.3.5.4, 8.3.5.4.1, 8.3.5.4.2, 8.3.5.4.3, 8.3.5.4.4, 8.3.5.4.5, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex J.1.11, Figs. 63,
ES	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
ES	1,457,056	Skipped Macroblock	1	4.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
ES	1515567	Overlap Smoothing	1	1, 3.1, 4.12, 7.1.1, 7.1.1.4, 8.5, 8.5.1, 8.5.2, 8.6, Fig. 74, Tables 33, 34
ES	1,746,844	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.4, C.6, Fig. 163
ES	1,753,248	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.3, C.3.1, Fig. 163
ES	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
ES	2081833	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
ES	2091790	B-pictures	7	1, 4.12, 8, 8.3.6, 8.3.6.5, 8.4.6, 10, 10.8.7
ES	2111152	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
ES	2,205,323	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
ES	2235756	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
ES	2254811	Fractional Sample Interpolation	9	3.2, 4.12, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, Fig. 64
ES	2,262,269	Skipped Macroblock	1	1, 4.12, 7.1.1.37, 7.1.3.7, 7.2, 7.2.2, 8.3.4.4, 8.3.5.3.6, 8.7, 8.7.2, Fig. 32, Tables 22, 69
ES	2266665	Fractional Sample Interpolation	1	4.12, 8.3.5.2.1, 8.3.6.5.2, 8.3.6.5.2.1
ES	2335677	Overlap Smoothing	3	1, 4.12, 6.2.10, 8.2, 8.5, 8.5.1, 8.5.2, 8.6, 10.2, 10.3.3, 10.3.4, Annex J.1.15
ES	2341357	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
ES	2,405,318	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
ES	2,433,641	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63, Tables 33, 34
ES	2,434,736	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
FI	86241	Skipped Blocks	1	1, 4.12, 5.2.2, 7.1.1.37, 7.1.3.7, 7.1.3.8, 7.1.3.9, 7.1.3.11, 7.1.3.13, 7.1.3.15, 7.2, 8.1.3.10, 8.3.4.4, 8.3.5.1, 8.3.5.4.1, 8.3.5.5, 8.7, 9.1

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Ctry.	Patent No.	Description	Claim	Sections
FI	92127	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
FI	98,421	Inverse transform	4	1, 7.1, 7.1.1.6, 7.1.1.7, 7.1.1.8, 7.1.1.31, 8.1.3, 8.1.3.3, 8.1.3.8, 8.1.3.9, 8.1.3.10, 9.1, 9.1.1.25, 10.1.2, 10.1.2.7, 10.1.2.9, Annex A, J.1.13, Figs. 3, 13, 14
FI	117417	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
FI	884,912	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
FI	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
FI	1,237,376	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex C, Figs. 3, 4, 63, 162
FI	1,237,377	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
FI	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
FI	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
FI	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
FI	2,271,116	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
FI	2,288,164	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63, Tables 33, 34
FR	260748	Variable length coding	1	4.12, 6.2, 7.1.4.6, 8.1.3.4, 8.3.6.1.7, 11.8, 11.8.1, Annex A
FR	282135	Transform selection	1	3.2, 4.12, 9.1.1.18, 10.5, 10.5.1, Annex D, Figs. 4, 101
FR	290085	Macroblock headers	1	4.12, 7.1.3.8, 7.1.3.11, 8.3.5.1, 8.3.5.1.1, 8.3.5.1.2, 8.3.5.2, 8.3.5.2.1, Annexes D, K, K.1, Tables 28, 252, Figs. 185, 186
FR	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
FR	379217	B-pictures	1	4.12, 8, 10, Annex G, G.3, G.3.1
FR	397402	B-pictures	7	1, 4.12, 8, 8.3.6, 8.3.6.5, 8.4.6, 10, 10.8.7
FR	414193	Inverse transform	4	1, 7.1, 7.1.1.6, 7.1.1.7, 7.1.1.8, 7.1.1.31, 8.1.3, 8.1.3.3, 8.1.3.8, 8.1.3.9, 8.1.3.10, 9.1, 9.1.1.25, 10.1.2, 10.1.2.7, 10.1.2.9, Annex A, J.1.13, Figs. 3, 13, 14
FR	424026	B-pictures	6	1, 3.1, 4.12, 5.2.2, 8.4.5, 8.4.5.1, Fig. 8
FR	431319	Decoder buffer conformance	11	1, 4.12, 6.1.15.1, Annex C, C.1.1, J.2.1, Fig. 162
FR	443676	Hierarchical picture coding types	1	3.2, 4.12, 7.1.1.4, 9.1.1.2, Annex D, Table 252, Figs. 3, 4, 5
FR	456433	Broken link	2	1, 4.12, 5.4, 6.2.1, 6.2.2, Fig. 36, Table 2
FR	460751	Decoding delay parameters	10	1, 6.1.15, 7.1, 7.1.1, 7.1.1.6, Annex C.1.1
FR	572046	B-pictures	1	1, 3.2, 4.12, 5.4, 8, 8.3.6.5, 8.3.6.5.3, 8.4, 10, 10.4, Fig. 4, Table 2
FR	580454	Scanning pattern	10	4.12, 5.2.2, 7.1.4.6, 8.1.3.4, 8.1.3.5, 8.1.3.6, 8.1.3.7, 10.1.2.4, 10.1.2.5, Figs. 44, 45, Table 73
FR	584840	B-pictures	1	3.2, 4.12, 4.14, 5.4, 6, 7.1.1.4, 8.1.3, 8.1.3.3, 8.1.3.4, 8.3.6.5.1, 8.3.6.5.2, 8.3.6.5.3, 8.3.6.2, 8.3.6.3, 8.3.6.2.1, 8.3.6.2.2, 8.3.6.2.3, 8.3.6.2.4, 8.3.6.2.5, 8.3.6.3, 8.3.6.4, Annex D, Table 2, Figs. 3, 4, 36, 59
FR	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
FR	831660	DC Predictor; intra block decode	4	1, 3.1, 4.12, 7.1.1.4, 8.1, 8.1.3, 8.1.3.1, 8.1.3.2, 8.1.3.3, Annex A.1, Figs. 38, 40, Tables 33, 35
FR	884,912	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
FR	0895425	MVMODE	6	1, 4.12, 7.1.3.8, 7.1.1.32, 8.3.5.2.1, 9.1.1.46, 9.1.3.12, 10.3.5.4.2.1, Table 46
FR	0967807	MVTAB	1	1, 7.1.1, 7.1.3, 7.1.3.6, 7.1.3.11, 7.1.1.38, 8.3.4.5, 8.3.5.2.1, 8.3.6.5, 11.10, Table 51

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Ctry.	Patent No.	Description	Claim	Sections
FR	0987899	Variable length coding	1	3.2, 7.1.1.6, 7.1.4.6, 8.1, 8.1.3.1, 8.1.3.4, 8.1.3.6, 11.7, 11.8, 11.8.1, 11.8.2, Annex A, Tables 71, 72
FR	0987900	Variable length coding	5	1, 4.13, 7.1.1.4, 7.1.1.6, 7.1.4.1, 7.1.4.6, 8.1.1.2, 8.1.3.4, 8.1.3.5, 8.3, 8.3.4.9, 8.3.6.2.3, 11.7, 11.8, Tables 36, 39, 71, 72, 78, 79
FR	1091589	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
FR	1100273	Variable length coding	1	4.12, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.1.3.4, 8.1.3.5, 11.8, Fig. 41, Table 58
FR	1100274	Variable length coding	1	4.12, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.1.3.4, 8.1.3.5, 11.8, Fig. 41, Tables 58, 177
FR	1104972	Variable length coding	1	4.12, 7.1, 7.1.4.6, 7.1.4.7, 7.1.4.8, 7.1.4.15, 8, 8.1, 8.1.3.4, 8.1.3.5, 8.3.4.9, Fig. 41, Tables 31, 58
FR	1110407	Motion vector prediction	2	1, 4.12, 7.1.1, 7.1.1.32, 7.1.1.36, 8.3, 8.3.3, 8.3.3.2, 8.3.4, 8.3.4.3, 8.3.5, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.3, 8.3.5.3.4, 8.3.5.4, 8.3.5.4.1, Figs. 53, 54
FR	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
FR	1,237,376	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex C, Figs. 3, 4, 63, 162
FR	1,237,377	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
FR	1,279,291	Interlace decoding	12	1, 4.12, 8.3.6.2, 8.3.6.5, 10.3.3, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.4.1, Figs. 59, 108, 121
FR	1353513	Fractional Sample Interpolation	1	4.12, 8.3.5.2.1, 8.3.6.5.2, 8.3.6.5.2.1
FR	1353514	Fractional Sample Interpolation	9	3.2, 4.12, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, Fig. 64
FR	1359763	Fractional Sample Interpolation	1	8.3.6, 8.3.6.5, 8.3.6.5.2, Figs. 64, 65
FR	1359764	MVMODE	1	1, 4.12, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8, 8.1, 8.2, 8.3, 8.3.4.3, 8.3.8, 8.4, 9.1.1.48, 10.3.8, Fig. 67
FR	1,359,765	MVMODE	1	4.12, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8.3.8, Fig. 67
FR	1359768	Motion Compensation	19	4.12, 6.2.6, 8, 8.3.5, 8.3.5.2.1, 8.3.5.3, 8.3.5.4, 8.3.5.4.1, 8.3.5.4.2, 8.3.5.4.3, 8.3.5.4.4, 8.3.5.4.5, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex J.1.11, Figs. 63,
FR	1,359,770	MVMODE	1	4.12, 7.1.1.32, 7.1.1.33, 7.1.1.34, 7.1.1.35, 7.2.2.32, 7.2.2.33, 8.3.4.3, 8.3.8, Tables 46, 47, 49, 50
FR	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
FR	1,457,056	Skipped Macroblock	1	4.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
FR	1468567	Start codes	1	4.12, 7.1, 8, Annex E, E.1, E.1.1, E.2, Table 254,
FR	1515567	Overlap Smoothing	1	1, 3.1, 4.12, 7.1.1, 7.1.1.4, 8.5, 8.5.1, 8.5.2, 8.6, Fig. 74, Tables 33, 34
FR	1,549,064	Entry point start code	27	1, 4.12, 3.1, 7.1.1.15, 9.1.1, 9.1.1.1, Annex G, G.3, G.3.1, G.3.2, G.3.3, G.3.4, G.3.5, Figs. 167, 168, 169, 170, 171, Table 41
FR	1,560,439	Run-level coding	1	1, 4.12, 7.1.4, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8.1.1.1, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
FR	1,694,076	Overlap Smoothing	3	1, 4.12, 6.2.10, 8.2, 8.5, 8.5.1, 8.5.2, 8.6, 10.2, 10.3.3, 10.3.4, Annex J.1.15
FR	1,727,373	Deblock Filtering	1	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
FR	1,746,844	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.4, C.6, Fig. 163
FR	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
FR	1,753,248	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.3, C.3.1, Fig. 163
FR	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
FR	2,124,453	Deblock Filtering	1	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Annex H.1, Figs. 59, 77, 78, 79, 177
FR	2,262,269	Skipped Macroblock	1	1, 4.12, 7.1.1.37, 7.1.3.7, 7.2, 7.2.2, 8.3.4.4, 8.3.5.3.6, 8.7, 8.7.2, Fig. 32, Tables 22, 69
FR	2,271,116	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
FR	2,278,813	Deblock Filtering	2	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
FR	2,278,814	Deblock Filtering	2	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77

VC-1 Patent Portfolio License Cross-Reference Chart

Ctry.	Patent No.	Description	Claim	Sections
FR	2,278,815	Deblock Filtering	3	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
FR	2,285,114	Direct mode	1	1, 4.12, 8.3.6.2, 10.3, 10.3.5, 10.3.5.1, 10.3.5.1.1, 10.4.5, 10.4.5.1, 10.4.5.1.1, 10.4.5.6, 10.7.3.4, Figs. 59, 125
FR	2,285,115	Interlace decoding	1	1, 4.12, 7.1.3.12, 7.1.3.14, 9, 9.1, 9.1.1.41, 9.1.3.14, 9.1.3.15, 9.1.3.16, 10.4, 10.4.5.5, 10.8, 10.8.6.1.2, 10.8.6.4, 10.8.6.7, Tables 57, 84, 92, 110
FR	2,288,164	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63, Tables 33, 34
FR	2,323,398	Interlace decoding	1	4.12, 8.3.6.5, 9.1.1.44, 10.3.3, 10.3.5, 10.3.5.4.2, 10.3.5.4.2.1, 10.3.6.2.7, Fig. 99, Table 88
FR	2,323,399	Motion Compensation	1	4.12, 8.3.6.5, 10.3.5, 10.3.5.1, 10.3.5.1.2, 10.3.5.4, 10.3.5.4.2, 10.3.5.4.4, 10.3.5.4.4.2, 10.3.5.4.4.2.2, 10.3.6.2.7, Fig. 123
FR	2,323,406	Motion Compensation	1	4.12, 9.1.1.44, 10.3.3, 10.3.5.4.2, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4.2, 10.3.5.4.4.1, Figs. 99, 118, 121, Table 88
FR	2,373,036	Bilinear interpolation	2	3.2, 4.12, 7, 7.1, 7.1.3, 7.1.3.8, 7.1.3.13, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.4.5, 8.4.5.1, 8.4.5.5, Figs. 3, 4, 16, 17, 25
FR	2737931	Overlap Smoothing	1	4.12, 7.1, 7.1.3.3, 8, 8.1.1, 8.1.2, 8.1.3, 8.5, 8.5.1, 8.5.2, Table 28
FR	0873018	Variable length coding	1	1, 4.12, 7.1.4.6, 7.1.4.7, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
FR	1100272	Variable length coding	1	1, 4.12, 7.1.4.6, 7.1.4.7, 7.1.4.10, 7.1.4.12, 7.1.4.13, 7.1.4.14, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
FR	2599577	Skipped Blocks	1	1, 4.12, 5.2.2, 7.1.1.37, 7.1.3.7, 7.1.3.8, 7.1.3.9, 7.1.3.11, 7.1.3.13, 7.1.3.15, 7.2, 8.1.3.10, 8.3.4.4, 8.3.5.1, 8.3.5.4.1, 8.3.5.5, 8.7, 9.1
GB	248711	Skipped Blocks	1	1, 4.12, 5.2.2, 7.1.1.37, 7.1.3.7, 7.1.3.8, 7.1.3.9, 7.1.3.11, 7.1.3.13, 7.1.3.15, 7.2, 8.1.3.10, 8.3.4.4, 8.3.5.1, 8.3.5.4.1, 8.3.5.5, 8.7, 9.1
GB	260748	Variable length coding	1	4.12, 6.2, 7.1.4.6, 8.1.3.4, 8.3.6.1.7, 11.8, 11.8.1, Annex A
GB	282135	Transform selection	1	3.2, 4.12, 9.1.1.18, 10.5, 10.5.1, Annex D, Figs. 4, 101
GB	290085	Macroblock headers	1	4.12, 7.1.3.8, 7.1.3.11, 8.3.5.1, 8.3.5.1.1, 8.3.5.1.2, 8.3.5.2, 8.3.5.2.1, Annexes D, K, K.1, Tables 28, 252, Figs. 185, 186
GB	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
GB	379217	B-pictures	1	4.12, 8, 10, Annex G, G.3, G.3.1
GB	397402	B-pictures	7	1, 4.12, 8, 8.3.6, 8.3.6.5, 8.4.6, 10, 10.8.7
GB	414193	Inverse transform	4	1, 7.1, 7.1.1.6, 7.1.1.7, 7.1.1.8, 7.1.1.31, 8.1.3, 8.1.3.3, 8.1.3.8, 8.1.3.9, 8.1.3.10, 9.1, 9.1.1.25, 10.1.2, 10.1.2.7, 10.1.2.9, Annex A, J.1.13, Figs. 3, 13, 14
GB	424026	B-pictures	6	1, 3.1, 4.12, 5.2.2, 8.4.5, 8.4.5.1, Fig. 8
GB	431319	Decoder buffer conformance	11	1, 4.12, 6.1.15.1, Annex C, C.1.1, J.2.1, Fig. 162
GB	443676	Hierarchical picture coding types	1	3.2, 4.12, 7.1.1.4, 9.1.1.2, Annex D, Table 252, Figs. 3, 4, 5
GB	456433	Broken_link	2	1, 4.12, 5.4, 6.2.1, 6.2.2, Fig. 36, Table 2
GB	460751	Decoding delay parameters	10	1, 6.1.15, 7.1, 7.1.1, 7.1.1.6, Annex C.1.1
GB	572046	B-pictures	1	1, 3.2, 4.12, 5.4, 8, 8.3.6.5, 8.3.6.5.3, 8.4, 10, 10.4, Fig. 4, Table 2
GB	580454	Scanning pattern	10	4.12, 5.2.2, 7.1.4.6, 8.1.3.4, 8.1.3.5, 8.1.3.6, 8.1.3.7, 10.1.2.4, 10.1.2.5, Figs. 44, 45, Table 73
GB	584840	B-pictures	1	3.2, 4.12, 4.14, 5.4, 6, 7.1.1.4, 8.1.3, 8.1.3.3, 8.1.3.4, 8.3.6.5.1, 8.3.6.5.2, 8.3.6.5.3, 8.3.6.2, 8.3.6.3, 8.3.6.2.1, 8.3.6.2.2, 8.3.6.2.3, 8.3.6.2.4, 8.3.6.2.5, 8.3.6.3, 8.3.6.4, Annex D, Table 2, Figs. 3, 4, 36, 59
GB	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
GB	831660	DC Predictor; intra block decode	4	1, 3.1, 4.12, 7.1.1.4, 8.1, 8.1.3, 8.1.3.1, 8.1.3.2, 8.1.3.3, Annex A.1, Figs. 38, 40, Tables 33, 35
GB	0873018	Variable length coding	1	1, 4.12, 7.1.4.6, 7.1.4.7, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58

VC-1 Patent Portfolio License Cross-Reference Chart

Ctry.	Patent No.	Description	Claim	Sections
GB	884,912	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
GB	0895425	MVMODE	6	1, 4.12, 7.1.3.8, 7.1.1.32, 8.3.5.2.1, 9.1.1.46, 9.1.3.12, 10.3.5.4.2.1, Table 46
GB	0967807	MVTAB	1	1, 7.1.1, 7.1.3, 7.1.3.6, 7.1.3.11, 7.1.1.38, 8.3.4.5, 8.3.5.2.1, 8.3.6.5, 11.10, Table 51
GB	0987899	Variable length coding	1	3.2, 7.1.1.6, 7.1.4.6, 8.1, 8.1.3.1, 8.1.3.4, 8.1.3.6, 11.7, 11.8, 11.8.1, 11.8.2, Annex A, Tables 71, 72
GB	0987900	Variable length coding	5	1, 4.13, 7.1.1.4, 7.1.1.6, 7.1.4.1, 7.1.4.6, 8.1.1.2, 8.1.3.4, 8.1.3.5, 8.3, 8.3.4.9, 8.3.6.2.3, 11.7, 11.8, Tables 36, 39, 71, 72, 78, 79
GB	1091589	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
GB	1100272	Variable length coding	1	1, 4.12, 7.1.4.6, 7.1.4.7, 7.1.4.10, 7.1.4.12, 7.1.4.13, 7.1.4.14, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
GB	1100273	Variable length coding	1	4.12, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.1.3.4, 8.1.3.5, 11.8, Fig. 41, Table 58
GB	1100274	Variable length coding	1	4.12, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.1.3.4, 8.1.3.5, 11.8, Fig. 41, Tables 58, 177
GB	1104972	Variable length coding	1	4.12, 7.1, 7.1.4.6, 7.1.4.7, 7.1.4.8, 7.1.4.15, 8, 8.1, 8.1.3.4, 8.1.3.5, 8.3.4.9, Fig. 41, Tables 31, 58
GB	1110407	Motion vector prediction	2	1, 4.12, 7.1.1, 7.1.1.32, 7.1.1.36, 8.3, 8.3.3, 8.3.3.2, 8.3.4, 8.3.4.3, 8.3.5, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.3, 8.3.5.3.4, 8.3.5.4, 8.3.5.4.1, Figs. 53, 54
GB	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
GB	1,237,376	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex C, Figs. 3, 4, 63, 162
GB	1,237,377	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
GB	1,279,291	Interlace decoding	12	1, 4.12, 8.3.6.2, 8.3.6.5, 10.3.3, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.4.1, Figs. 59, 108, 121
GB	1353513	Fractional Sample Interpolation	1	4.12, 8.3.5.2.1, 8.3.6.5.2, 8.3.6.5.2.1
GB	1353514	Fractional Sample Interpolation	9	3.2, 4.12, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, Fig. 64
GB	1359763	Fractional Sample Interpolation	1	8.3.6, 8.3.6.5, 8.3.6.5.2, Figs. 64, 65
GB	1359764	MVMODE	1	1, 4.12, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8, 8.1, 8.2, 8.3, 8.3.4.3, 8.3.8, 8.4, 9.1.1.48, 10.3.8, Fig. 67
GB	1,359,765	MVMODE	1	4.12, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8.3.8, Fig. 67
GB	1359768	Motion Compensation	19	4.12, 6.2.6, 8, 8.3.5, 8.3.5.2.1, 8.3.5.3, 8.3.5.4, 8.3.5.4.1, 8.3.5.4.2, 8.3.5.4.3, 8.3.5.4.4, 8.3.5.4.5, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex J.1.11, Figs. 63,
GB	1,359,770	MVMODE	1	4.12, 7.1.1.32, 7.1.1.33, 7.1.1.34, 7.1.1.35, 7.2.2.32, 7.2.2.33, 8.3.4.3, 8.3.8, Tables 46, 47, 49, 50
GB	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
GB	1,457,056	Skipped Macroblock	1	4.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
GB	1468567	Start codes	1	4.12, 7.1, 8, Annex E, E.1, E.1.1, E.2, Table 254,
GB	1515567	Overlap Smoothing	1	1, 3.1, 4.12, 7.1.1, 7.1.1.4, 8.5, 8.5.1, 8.5.2, 8.6, Fig. 74, Tables 33, 34
GB	1,549,064	Entry point start code	27	1, 4.12, 3.1, 7.1.1.15, 9.1.1, 9.1.1.1, Annex G, G.3, G.3.1, G.3.2, G.3.3, G.3.4, G.3.5, Figs. 167, 168, 169, 170, 171, Table 41
GB	1,560,439	Run-level coding	1	1, 4.12, 7.1.4, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8.1.1.1, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
GB	1,694,076	Overlap Smoothing	3	1, 4.12, 6.2.10, 8.2, 8.5, 8.5.1, 8.5.2, 8.6, 10.2, 10.3.3, 10.3.4, Annex J.1.15
GB	1,727,373	Deblock Filtering	1	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
GB	1,746,844	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.4, C.6, Fig. 163
GB	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
GB	1,753,248	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.3, C.3.1, Fig. 163
GB	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168

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Ctry.	Patent No.	Description	Claim	Sections
GB	2,124,453	Deblock Filtering	1	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Annex H.1, Figs. 59, 77, 78, 79, 177
GB	2,262,269	Skipped Macroblock	1	1, 4.12, 7.1.1.37, 7.1.3.7, 7.2, 7.2.2, 8.3.4.4, 8.3.5.3.6, 8.7, 8.7.2, Fig. 32, Tables 22, 69
GB	2,271,116	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
GB	2,278,813	Deblock Filtering	2	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
GB	2,278,814	Deblock Filtering	2	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
GB	2,278,815	Deblock Filtering	3	1, 3.1, 3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, Figs. 59, 77
GB	2,285,114	Direct mode	1	1, 4.12, 8.3.6.2, 10.3, 10.3.5, 10.3.5.1, 10.3.5.1.1, 10.4.5, 10.4.5.1, 10.4.5.1.1, 10.4.5.6, 10.7.3.4, Figs. 59, 125
GB	2,285,115	Interlace decoding	1	1, 4.12, 7.1.3.12, 7.1.3.14, 9, 9.1, 9.1.1.41, 9.1.3.14, 9.1.3.15, 9.1.3.16, 10.4, 10.4.5.5, 10.8, 10.8.6.1.2, 10.8.6.4, 10.8.6.7, Tables 57, 84, 92, 110
GB	2,288,164	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63, Tables 33, 34
GB	2304485	Overlap Smoothing	1	4.12, 7.1, 7.1.3.3, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.5, 8.5.1, 8.5.2, Table 28
GB	2,323,398	Interlace decoding	1	4.12, 8.3.6.5, 9.1.1.44, 10.3.3, 10.3.5, 10.3.5.4.2, 10.3.5.4.2.1, 10.3.6.2.7, Fig. 99, Table 88
GB	2,323,399	Motion Compensation	1	4.12, 8.3.6.5, 10.3.5, 10.3.5.1, 10.3.5.1.2, 10.3.5.4, 10.3.5.4.2, 10.3.5.4.4, 10.3.5.4.4.2, 10.3.5.4.4.2.2, 10.3.6.2.7, Fig. 123
GB	2,323,406	Motion Compensation	1	4.12, 9.1.1.44, 10.3.3, 10.3.5.4.2, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4.2, 10.3.5.4.4.1, Figs. 99, 118, 121, Table 88
GB	2,329,090	Deblock Filtering	1	1, 7, 7.1, 7.1.1, 7.1.1.27, Annex H, H.1, Table 41, Figs. 177, 178
GB	2,373,036	Bilinear interpolation	2	3.2, 4.12, 7, 7.1, 7.1.3, 7.1.3.8, 7.1.3.13, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.4.5, 8.4.5.1, 8.4.5.5, Figs. 3, 4, 16, 17, 25
GB	2,405,549	Direct mode	1	7.1.1.42, 7.1.3.12, 8.4.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, Annex D.2, Fig. 71, Table 252
GR	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
GR	1515567	Overlap Smoothing	1	1, 3.1, 4.12, 7.1.1, 7.1.1.4, 8.5, 8.5.1, 8.5.2, 8.6, Fig. 74, Tables 33, 34
GR	3025887	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
GR	3072428	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
IE	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
IE	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
IE	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
IT	282135	Transform selection	1	3.2, 4.12, 9.1.1.18, 10.5, 10.5.1, Annex D, Figs. 4, 101
IT	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Fig. 4, 59, Table 35
IT	397402	B-pictures	7	1, 4.12, 8, 8.3.6, 8.3.6.5, 8.4.6, 10, 10.8.7
IT	414193	Inverse transform	4	1, 7.1, 7.1.1.6, 7.1.1.7, 7.1.1.8, 7.1.1.31, 8.1.3, 8.1.3.3, 8.1.3.8, 8.1.3.9, 8.1.3.10, 9.1, 9.1.1.25, 10.1.2, 10.1.2.7, 10.1.2.9, Annex A, J.1.13, Figs. 3, 13, 14
IT	443676	Hierarchical picture coding types	1	3.2, 4.12, 7.1.1.4, 9.1.1.2, Annex D, Table 252, Figs. 3, 4, 5
IT	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
IT	884,912	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
IT	1091589	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108

VC-1 Patent Portfolio License Cross-Reference Chart

Ctry.	Patent No.	Description	Claim	Sections
IT	1110407	Motion vector prediction	2	1, 4.12, 7.1.1, 7.1.1.32, 7.1.1.36, 8.3, 8.3.3, 8.3.3.2, 8.3.4, 8.3.4.3, 8.3.5, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.3, 8.3.5.3.4, 8.3.5.4, 8.3.5.4.1, Figs. 53, 54
IT	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
IT	1,237,376	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex C, Figs. 3, 4, 63, 162
IT	1359763	Fractional Sample Interpolation	1	8.3.6, 8.3.6.5, 8.3.6.5.2, Figs. 64, 65
IT	1359764	MVMODE	1	1, 4.12, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8, 8.1, 8.2, 8.3, 8.3.4.3, 8.3.8, 8.4, 9.1.1.48, 10.3.8, Fig. 67
IT	1359768	Motion Compensation	19	4.12, 6.2.6, 8, 8.3.5, 8.3.5.2.1, 8.3.5.3, 8.3.5.4, 8.3.5.4.1, 8.3.5.4.2, 8.3.5.4.3, 8.3.5.4.4, 8.3.5.4.5, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex J.1.11, Figs. 63,
IT	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
IT	1,457,056	Skipped Macroblock	1	4.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
IT	1468567	Start codes	1	4.12, 7.1, 8, Annex E, E.1, E.1.1, E.2, Table 254,
IT	1515567	Overlap Smoothing	1	1, 3.1, 4.12, 7.1.1, 7.1.1.4, 8.5, 8.5.1, 8.5.2, 8.6, Fig. 74, Tables 33, 34
IT	1,694,076	Overlap Smoothing	3	1, 4.12, 6.2.10, 8.2, 8.5, 8.5.1, 8.5.2, 8.6, 10.2, 10.3.3, 10.3.4, Annex J.1.15
IT	1,746,844	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.4, C.6, Fig. 163
IT	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
IT	1,753,248	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.3, C.3.1, Fig. 163
IT	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
IT	2,262,269	Skipped Macroblock	1	1, 4.12, 7.1.1.37, 7.1.3.7, 7.2, 7.2.2, 8.3.4.4, 8.3.5.3.6, 8.7, 8.7.2, Fig. 32, Tables 22, 69
IT	23628/BE/2013	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
IT	30554/BE/2013	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63, Tables 33, 34
IT	30556/BE/2013	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
IT	45749 BE/06	Fractional Sample Interpolation	9	3.2, 4.12, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, Fig. 64
IT	45897 BE/06	Fractional Sample Interpolation	1	4.12, 8.3.5.2.1, 8.3.6.5.2, 8.3.6.5.2.1
IT	51936 BE/94	Variable length coding	1	4.12, 6.2, 7.1.4.6, 8.1.3.4, 8.3.6.1.7, 11.8, 11.8.1, Annex A
IT	52497 BE/97	Decoding delay parameters	10	1, 6.1.15, 7.1, 7.1.1, 7.1.1.6, Annex C.1.1
IT	67779 BE/91	Skipped Blocks	1	1, 4.12, 5.2.2, 7.1.1.37, 7.1.3.7, 7.1.3.8, 7.1.3.9, 7.1.3.11, 7.1.3.13, 7.1.3.15, 7.2, 8.1.3.10, 8.3.4.4, 8.3.5.1, 8.3.5.4.1, 8.3.5.5, 8.7, 9.1
JP	1,939,084	Motion compensated prediction	1	4.12, 8.4, 10.4, 10.8
JP	2,072,631	Inter-frame prediction	5	7.1.1.4, 8.1, 8.3, 8.4, 8.4.5, Table 35
JP	2,128,624	Inverse transform	3	3.2, 8.1.3.8, Annex A.1, Fig. 3
JP	2,137,325	Inter-frame prediction	3	3.2, 7.1.1.4, 8.4.5, 8.4.5.1, 8.4.5.2, 8.4.5.3, Tables 34, 35
JP	2,530,217	Inter-frame prediction	2	3.2, 7.1.1.4, 8.1, 8.4
JP	2,534,534	Transform selection	1	3.2, 9.1.1.18, 9.1.3.1, 10.5, 10.7.3, 10.8.6, Figs. 94, 101, 102, 103, Tables 90, 91, 92
JP	2,562,499	Field/frame Macroblock selection	1	3.1, 4.12, 10.5.1, Annex K.1
JP	2,630,809	Macroblock headers	1	5.2.2, 7.1.3.8, 8.3.5.1, 8.3.5.1.1, 8.3.5.2.1, Fig. 8
JP	2633793	Variable length coding	1	4.12, 7.1.4, 7.1.4.7, 7.1.4.9, 7.1.4.10, 7.1.4.11, 7.1.4.12, 7.1.4.14, 8.1.3.5, 8.1.3.6, 11.8, Figs. 3, 6, 36, 45, Tables 59-61
JP	2,695,244	B-pictures	5	4.12, 8.3.6.2, 8.4, Fig. 59
JP	2,711,665	Variable length coding	1	7.1.4.6, 8.1.3.5, Figs. 27, 28, 185, 186, Tables 177 - 178
JP	2,728,619	Deblock Filtering	7	7.1.1.27, 9.1.1.17, Table 42, Annexes H, H.1
JP	2,787,599	Decoder buffer conformance	1	Figs. 162-63, Annex C, C.1.1, C.1.3
JP	2,791,822	Component optimization	1	8.1.3.4, Annexes A, D, D.1, K, Tables 71, 72, Figs. 185, 186
JP	2,828,095	B-pictures	1	8.3.5.2.1, 8.4, 8.4.5.1, Fig. 59

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Ctry.	Patent No.	Description	Claim	Sections
JP	2,897,763	MVMODE	3	3.2, 7.1.1.32, Figs. 16 - 19, Tables 19 - 22
JP	2,924,430	Interlace decoding	1	3.2, 3.3, 4.12, 10.7.3, 10.7.3.1.2, 10.7.4, Figs. 4, 6, 129
JP	2,938,412	Intensity compensation	11	8.3.8
JP	2,951,861	Coded block pattern	3	7.1.1.39, 8.1.2.1, 11.6, Tables 52, 70, 169-172
JP	2,955,363	Variable length coding	1	7.1.4.6, 8.1.3.4, 11.8
JP	2,961,131	RFF (repeat first field flag)	4	4.12, 6.1.8, 6.1.9, 6.1.13, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 8.3.3.1, 8.3.3.2, 8.4.5.1, 8.4.5.3, 8.4.5.9, Tables 22, 30, Annexes I.2.1, I.2.3
JP	2,969,782	Broken_link	1	4.12, 6.2, 6.2.1, Tables 34-35
JP	2,977,104	TFF (top field first flag)	1	7.1.1.17, 10.3.1
JP	3,060,376	MQUANT	4	7.1.3.4, 8.1.3.8, 8.1.3.9, Fig. 29
JP	3,092,610	Rounding	1	8.3.6.5, 8.3.6.5.1, 8.37
JP	3,092,613	Rounding	2	8.3.6.5, 8.3.6.5.1, 8.3.7, Fig. 63
JP	3,103,383	Variable length coding	1	7.1.4.7, 7.1.4.8, 8.1.2.4, 8.1.2.5, 11.8, Fig. 41, Tables 31, 58, 177-179
JP	3,135,061	Variable length coding	1	7.1.4.7, 7.1.4.8, 8.1.2.4, 8.1.2.5, 11.8, Fig. 41, Tables 31, 58, 177-179
JP	3,135,062	Variable length coding	1	7.1.4.7, 7.1.4.8, 8.1.2.4, 8.1.2.5, 11.8, Fig. 41, Tables 31, 58, 177-179
JP	3,162,110	Decoding delay parameters	1	6.1.15, 6.2.12, Annexes C, C.1.1, Tables 13, 15, Fig. 162
JP	3174586	Hierarchical picture coding types	1	4.12, 5.4, 7.1.1, 7.1.1.4, Tables 2, 33, 34, 35, Annex A
JP	3,277,116	MVMODE	5	3.2, 4.12, 7.1.1.32, 7.1.1.36, 7.1.3.8, 8.3.5.2.1, 8.3.5.4.1, 8.3.6.2, Figs. 3, 52, 53, 59, Tables 46, 47
JP	3,331,351	Field/frame prediction selection	1	10, 10.3, 10.3.3, 10.3.6.2, 10.4, 10.7, 10.7.3, Fig. 124
JP	3,343,554	Variable length coding	1	4.12, 8.1.2, 8.1.2.7, 8.1.2.8, 8.1.2.9, 8.1.2.10, Figs. 36, 47, Table 74
JP	3,369,422	Scanning pattern	1	3.2, 7.1.3.2, 8.1.3.4, 8.1.3.5, 8.1.3.6, 11.9, 11.9.1, Figs. 42-46, Tables 73, 233-34
JP	3,442,028	Scanning pattern	1	3.2, 7.1.3.2, 8.1.3.4, 8.1.3.5, 8.1.3.6, 11.9, 11.9.1, Figs. 43-46, Tables 73, 233-34
JP	3,449,370	Interlace decoding	1	10.3, 10.3.5, 10.4, 10.7, 10.7.3, Fig. 124
JP	3,464,908	Deblock Filtering	1	Annex H, H.1, Figs. 177, 178, 179
JP	3,531,594	RFF (repeat first field flag)	1	4.12, 7.1.1.18, Annex I.2.3
JP	3,579,013	Motion vector prediction	1	8.3.5, 8.3.5.1.1, 8.3.5.1.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.4, Figs. 51-53, 56
JP	3,631,488	Start codes and stuffing bits	1	8, 8.8, Annex E, E.1, E.1.1, E.2, Fig. 92, Table 254
JP	3,654,664	Prediction mode	2	8.3.6.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, Figs. 69, 71
JP	3,657,954	Start codes and stuffing bits	1	Annex E, E.1, and E.2.
JP	3,657,955	Start codes and stuffing bits	1	8, 8.8, Annex E, E.1, E.1.1, E.2, Fig. 92, Table 254
JP	3,657,956	Start codes and stuffing bits	1	8, 8.8, Annex E, E.1, E.1.1, E.2, Fig. 92, Table 254
JP	3,657,957	Start codes and stuffing bits	1	8, 8.8, Annex E, E.1, E.1.1, E.2, Fig. 92, Table 254
JP	3,657,967	Start codes and stuffing bits	1	Annex E, E.1, and E.2.
JP	3,657,968	Start codes and stuffing bits	1	8, 8.8, Annex E, E.1, E.1.1, E.2, Fig. 92, Table 254
JP	3,657,969	Start codes and stuffing bits	1	Annex E, E.1, and E.2.
JP	3,657,970	Start codes and stuffing bits	1	Annex E, E.1, and E.2.
JP	3,688,248	Deblock Filtering	3	4.12, 8.3.6.2, 8.6, 8.6.2, Fig. 59
JP	3,689,334	Skipped Blocks	1	4.12, 7.1, 7.1.1, 7.1.1.37, 7.1.3.7, 8.3.4.4, 8.3.5.4.1, 8.7, 9.1, 9.1.1, 9.1.1.32, 9.1.3.7, Figs. 16-19, 25, 26, 56, 102, 103, Tables 19-22, 29, 30, 70, 91, 92
JP	3,702,178	Inverse quantization	2	3.2, 7.1.1.8, 8.1.3.8, Figs. 3, 4, 6
JP	3,743,960	Variable length coding	1	7.1.4.6, 7.1.4.7, 7.1.4.8, 8.1.2.4, 11.8.1, Fig. 41, Tables 31, 58, 177-81
JP	3,743,961	Variable length coding	1	7.1.4.6, 7.1.4.7, 7.1.4.8, 8.1.2.4, 11.8.1, Fig. 41, Tables 31, 58, 177-81
JP	3,743,962	Variable length coding	1	7.1.4.7, 7.1.4.8, 8.1.2.4, 8.1.2.5, 11.8, Fig. 41, Tables 31, 58, 177-179
JP	3,797,209	Motion compensation	6	5.3.1, 7.1.1.15, 8.3.5.4.2, 8.3.5.4.3, 8.3.5.4.4, 8.3.6.5, 10.3.5.4, 10.3.5.4.1, Figs. 9, 112, Table 41

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Ctry.	Patent No.	Description	Claim	Sections
JP	3,851,317	AC coefficient prediction	1	4.12, 8.1.2, 8.1.2.7, 8.1.2.8, 8.1.2.9, 8.1.2.10, Annexes A, A.1, Figs. 36, 38, 40, 47, Table 74
JP	4,077,354	Bicubic Interpolation	1	8.3.6.5, 8.3.6.5.2, 8.3.7, Fig. 64
JP	4,094,019	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2
JP	4,142,180	Motion vector prediction	1	5.2.2, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.3, 8.3.5.3.5, 8.3.5.4.1 and Table 29 and Fig. 25, 51, 54, 55
JP	4,166,305	DC Predictor; intra block decode	1	8.1.3, 8.1.3.1, 8.1.3.2, 8.1.3.6, Figs. 38, 39, 40, 43, Table 73
JP	4,166,805	DC Predictor; intra block decode	1	8.1.3, 8.1.3.1, 8.1.3.2, 8.1.3.6, Figs. 38, 39, 40, 43, Table 73
JP	4,166,806	DC Predictor; intra block decode	1	8.1.3, 8.1.3.1, 8.1.3.2, 8.1.3.6, Figs. 38, 39, 40, 43, Table 73
JP	4,184,388	Motion vector prediction	6	5.2.2, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.3, 8.3.5.3.5, 8.3.5.4.1 and Table 29 and Fig. 25, 51, 54, 55
JP	4,184,389	Motion vector prediction	2	5.2.2, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.3, 8.3.5.3.5, 8.3.5.4.1 and Table 29 and Fig. 25, 51, 54, 55
JP	4,199,973	Hypothetical reference decoder	1	4.12, 6.1.15, Annex C.1, C.2, C.3, C.3.2, C.5, C.6
JP	4,245,587	Prediction mode	1	8.3.6.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, Figs. 69, 71
JP	4,249,790	Intensity Compensation	4	7.1.1.32, 7.1.1.33, 8.3.4.3, Tables 46, 47, 49, 50
JP	4,364,919	MBMODE	1	5.2.2, 7.1.1.32, 9.1.1.46, 9.1.1.47, 10.3.5.3, 10.3.5.3.1 and 10.3.5.3.2, Tables 107, 108, 111, 112, 144-59
JP	4,372,197	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2, Fig. 59
JP	4,425,561	Inverse transform	1	8.1.3.10 and Annex A, A.1, Figs. 157, 159
JP	4,425,563	Intensity Compensation	1	7.1.1.32, 7.1.1.33, 7.1.1.34, 7.1.1.35, 8.3.4.3, 8.3.8 and Fig. 67
JP	4,427,553	Motion vector prediction	2	3.2, 4.12, 7.1.1.36, 8.3.3.2, 8.3.5.2.1, 8.3.5.3, Figs. 3, 52, 53
JP	4,448,334	Start codes	1	4.12, Annexes E.1.2, E.3, E.4, Table 254
JP	4,489,794	Hypothetical reference decoder	1	4.12, 6.1.15, 6.1.15.1, Annex C.1, C.2, C.3, C.3.1, C.3.2, C.5, C.6
JP	4,545,388	Intensity Compensation	2	4.12, 6.1.6.1.1, 7.1.1.32, 7.1.1.33, 8.3.4.3, 8.3.8, Annexes J, J.1.1 and Tables 46 and 47
JP	4,565,010	Deblock Filtering	1	4.12, 8.3.6.2, 8.6, 8.6.2 and Fig. 59
JP	4,588,795	Frame rate syntax	1	6.1, 6.1.14.4, 6.1.14.4.1, 6.1.14.4.2, 6.1.14.4.3, 6.1.14.4.4, Tables 3, 8, 9
JP	4,610,195	Skipped Macroblock	1	7.1.1, 7.1.1.37, 7.2, 8.3.4.4, 8.3.5, 8.3.5.3.6, 8.3.6.5, 8.7, Table 69
JP	4,625,240	Fractional Sample Interpolation	10	8.3.6.5, 8.3.6.5.2 and Figs. 64 and 65
JP	4,625,411	Coded block pattern	1	7.1.3.1, 8.1.2.1, 11.5, Fig. 34 and Table 70
JP	4,666,411	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2, Fig. 59
JP	4,666,413	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2, Fig. 59
JP	4,666,414	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Fig. 59
JP	4,672,074	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2
JP	4,672,078	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2
JP	4,673,758	Coded block pattern	1	4.12, 7.1.3.1, 8.1.2, 8.1.2.1, 9.1.3.2, 10.1.1, 10.5.1, 11.5, Figs. 23, 24, 34, 35, 101, 104 and Tables 27, 28, 70, 90, 93
JP	4,698,186	Motion vector prediction	1	4.12, 10.3, 10.3.3, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4.2, 10.3.5.4.4.1, Fig. 121
JP	4,703,114	Start codes	1	4.12, Annex E, E.1.1, E.2, Table 254
JP	4,708,263	Frame rate syntax	1	6.1, 6.1.14.4, 6.1.14.4.1, 6.1.14.4.2, 6.1.14.4.3, 6.1.14.4.4, Tables 3, 8, 9
JP	4,717,136	Deblock Filtering	1	4.12, 8.3.6.2, 8.6, 8.6.2 and Fig. 59
JP	4,723,024	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2, Fig. 59
JP	4,723,025	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2, Fig. 59
JP	4,723,026	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2, Fig. 59
JP	4,723,027	Deblock Filtering	2	4.12, 8.3.6.2, 8.6, 8.6.2, Fig. 59
JP	4,762,486	Multi-resolution Coding	1	7.1.1.10, 8.1.1.3, 8.3.4.2, Annex J.1.10, Table 38
JP	4,763,607	Motion vector prediction	1	10.4, 10.4.5.1, 10.4.5.5, 10.4.6, 10.4.6.1, 10.4.6.2, 10.4.6.3, 10.8, 10.8.6.5, 10.8.6.7, 10.8.6.7.1, 10.8.6.7.2
JP	4,921,971	Motion vector prediction	1	10.7.3.1.2, 10.7.3.5.3, 10.7.3.5.7, Figs. 139, 140, 147
JP	4,986,622	Overlap Smoothing	10	7.1.1.29, 7.1.1.30, 7.1.3.3, 8.5.2, 8.7, 10.9

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Ctry.	Patent No.	Description	Claim	Sections
JP	5,006,457	Motion vector prediction	8	10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4.2, 10.4, 10.4.5, 10.4.6, 10.4.6.1, 10.4.6.2, 10.4.6.3
JP	5,026,602	Interlace decoding	1	10.3.5, 10.3.5.1.2, 10.3.5.4.4.2.2, 10.3.6.2.7, Fig. 123
JP	5,030,591	Motion vector prediction	1	10.3.5.4.3.3, 10.3.5.4.3.4.2, 10.3.5.4.3.5, 10.3.5.4.4.1, Figs. 118, 120, 121
JP	5,036,883	Motion vector prediction	17	9.1.1.35, 9.1.1.37, 9.1.3.11, 9.1.3.2, 9.1.3.18, 10.3.5.1.2, 10.3.5.4.2.2, Tables 91, 92, 94, 95, 102, 116 – 119, Fig. 111
JP	5,036,884	Motion vector prediction	6	9.1.3.12, 9.1.3.18, 10.3.5.1.1, 10.3.5.1.2, 10.3.5.4.2, 10.3.5.4.2.2, 10.3.5.4.3.3, Table 94
JP	5,036,886	Interlace decoding	1	10.4, 10.4.5.6, Fig. 125
JP	5,209,394	DC Predictor; intra block decode	1	8.1.3, 8.1.3.1, 8.1.3.2, 8.1.3.6, 8.1.3.7, Figs. 38, 39, 40, 43, 47, Table 73
JP	5,257,544	Rounding	1	8.3.6.5, 8.3.6.5.1, 8.37
JP	5,257,545	Rounding	1	8.3.6.5, 8.3.6.5.1, 8.37
JP	5,269,023	Motion vector prediction	1	7.1.1.32, 7.1.3.13, 7.1.3.15, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, Figs. 63, 65, Table 48
JP	5,376,083	Rounding	1	8.3.6.5, 8.3.6.5.1, 8.37
JP	5,392,434	Rounding	1	8.3.6.5, 8.3.6.5.1, 8.37
JP	5,442,568	Skipped Macroblock	1	7.1.1.37, 7.1.3.7, 7.2, 7.2.2, 8.3.2, 8.3.4.4, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.5, 8.3.5.3.6, 8.7, 8.7.2, 8.7.3, 8.7.3.2, Figs. 16, 17, 25, Tables 19, 20, 29, 69, 80
JP	5,819,347	Skipped Macroblock	1	7.1.1.37, 7.1.3.7, 7.2, 7.2.2, 8.3.4.4, 8.7, Figs. 16, 17, 25, Tables 19, 20, 29, 69
JP	2,920,209	Deblock Filtering	1	Annex H, H.1, Figs. 177, 178, 179
KR	77,808	Inverse transform	4	3.2, 8.1.3, 8.1.3.1, 8.1.3.3, 8.1.3.4, 8.1.3.5, 8.1.3.6, 8.1.3.8, 8.1.3.10, 8.3.6.4, Annex A.1, Figs. 3, 4, 36, 37, 41, 42, 157-159
KR	83,730	Scanning pattern	1	8.1.3.2, 8.1.3.6, 8.1.3.7, Figs. 38 - 40, 44-47, Tables 73, 233 - 235
KR	103,834	Transform selection	4	7.1.3.10, 7.1.4.1.6, 8.3.4.7, 8.3.6.2.1, Tables 54-56, 62-64, Fig. 60
KR	114,697	Interlace decoding	1, 4	3.2, 8.1.3.10, 9.1.1.18, 9.1.3.1, 10, 10.5.1, 10.5.2, Figs. 4, 5
KR	124,164	Run-level coding	1	3.2, 8.1.3, 8.1.3.4, 8.1.3.5, 8.1.3.6, 8.1.3.8, 8.1.3.10, 10.1.2.4, 10.1.2.5, 10.1.2.7, 10.1.2.9, Annex A.1, Figs. 3, 36, 41-46, 157-159.
KR	141,705	Motion vectors	1	4.12, 8.3.6.5, 9.1.3.12, 10, 10.3.5.4, 10.3.5.4.2.1, 10.3.6.2.7, 10.4.5.7, 10.4.7
KR	147,549	Deblock Filtering	1	8.6, 8.6.1, Figs. 75, 76
KR	148,130	Overlap Smoothing	6	7.1.1.29, 8.1.3.3, 8.1.3.8, 8.1.3.10, 8.5, 8.5.2, Fig. 74
KR	153,275	RFF (repeat first field flag)	3	3.2, 4.12, 6.1.8, 6.1.9, 6.1.13, 7.1.1.18, 7.1.1.19, 7.1.3.13, 7.1.3.14, 7.1.3.15, 8.4.5.3, Annexes I.2.1, I.2.3, Fig. 4, Table 57
KR	155,642	Deblock Filtering	1	8.6, 8.6.1, 8.6.4, Figs. 75, 76, 80 - 83
KR	155,784	Variable length coding	1	8.1.3.1, 8.1.3.4, 8.1.3.5, 8.1.3.6, 8.3.6, 8.3.6.1, 8.3.6.1.5, 8.3.6.1.6, 8.3.6.2, 8.3.6.2.3, 8.3.6.2.4, 8.3.6.2.5, 11.8, Figs. 36, 41, 45, 59, Tables 76 to 79, 173 to 232
KR	157,463	Variable length coding	1	8.1.3.1, 8.1.3.4, 8.1.3.5, 8.1.3.6, 8.3.6, 8.3.6.1, 8.3.6.1.5, 8.3.6.1.6, 11.8, Figs. 36, 41, 45, Tables 76, 77, 173 to 232
KR	162,196	Overlap Smoothing	1	7.1.1.6, 7.1.3.4, 8.1.3.1, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.5, 8.5.1, 8.5.2, Annex A.1, Figs. 29, 74, 157-59
KR	162,197	Variable length coding	1	7.1.4.10, 7.1.4.11, 7.1.4.12, 7.1.4.14, 8.1.3.4, 8.1.3.5, 8.1.3.6, 8.1.3.8, 8.1.3.10, 11.8, Figs. 36, 41, 128, Tables 59, 60, 61
KR	166,715	Variable length coding	1	8.1.3.4, 8.3.6.1.6, 8.3.6.2.3, 8.3.6.2.4, 11.8, Figs. 27, 28, 41, 59, Tables 71, 72, 76, 77, 78, 79
KR	178,711	Overlap Smoothing	5	7.1.1.6, 7.1.1.29, 8.5.2, Fig. 15
KR	205,293	Deblock Filtering	1	8.1.3, 8.1.3.9, 8.6, 8.6.4, J.1.9, Figs. 82-83
KR	221,889	Broken_link	1	3.2, 4.12, 5.2.2, 6.2.1, 6.2.2, 7.1.1.4, Fig. 4, Table 35
KR	235,988	Fractional Sample Interpolation	6	8.3.6.5.1, 8.3.6.5.2, 8.3.7, 9.1.1.12, 10.3.6.2.7, Figs. 63, 64, 65
KR	237,636	Deblock Filtering	1	8.5, 8.5.1, 8.5.2, Fig. 74
KR	239,837	Decoder buffer conformance	1	3.2, 5.2.2, 5.4, 6.1.15, 6.1.15.1, 6.2.12, C.1.1, Figs. 5, 163, Table 2
KR	244,290	Deblock Filtering	1	Annex H, H.1, Figs. 177, 178, 179

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Ctry.	Patent No.	Description	Claim	Sections
KR	251,549	Deblock Filtering	1	3.2, 8.5, 8.5.1, 8.5.2, Figs. 2, 3, 70
KR	281,099	Deblock Filtering	1	Annex H.1, Figs. 177, 178, 179
KR	304,660	Deblock Filtering	1	3.48, 3.49, 7.3.5.1, 7.4.5.1, 7.4.5.3, 7.4.5.3.1, 8.4, 8.4.2.1, 8.4.2.2, 8.4.2.3, 8.5.1, 8.5.13, 8.7, 8.7.1, 8.7.2, 8.7.2.1, 8.7.2.2, Table 8-16
KR	313,870	Motion vector prediction	1	8.3.5.1, 8.3.5.1.1, 8.3.5.1.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, Figs. 51 - 53
KR	318,055	Variable length coding	1	7.1.4.6, 7.1.4.7, 7.1.4.8, 7.1.4.9, 7.1.4.12, 7.1.4.14, 8.1.3.4, 8.1.3.5, 10.1.2.4, 11.8, Figs. 41, 42, Table 58
KR	318,057	Variable length coding	1	7.1.4.6, 7.1.4.7, 7.1.4.8, 7.1.4.15, 8.1.3.4, 8.1.3.5, 11.8, Figs. 41, 42, Tables 31, 58, 177-179, 182-183
KR	318,058	Variable length coding	1	7.1.4.6, 7.1.4.7, 7.1.4.8, 7.1.4.15, 8.1.3.4, 8.1.3.5, 11.8, Figs. 41, 42, Tables 31, 58, 177-181
KR	318,059	Variable length coding	1	7.1.4.6, 7.1.4.7, 7.1.4.8, 8.1.3.4, 8.1.3.5, 10.1.2.4, 11.8, Figs. 41, 42, Table 58
KR	371,129	AC coefficient prediction	1	3.2, 7.1, 8.1.3.2, 8.1.3.4, 8.1.3.5, 8.1.3.6, 8.1.3.7, 8.1.3.8, 8.1.3.9, Figs. 4, 38, 40, 42, 47, 48, Tables 31, 74
KR	371,130	DC coefficient prediction	1	8.1.3.1, 8.1.3.2, 8.1.3.3, 8.1.3.8, 8.1.3.10, Figs. 36, 37, 38, 39, 40
KR	393,193	Bilinear filtering	43	4.12, 8.3.5.2, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Fig. 63
KR	400,537	Bilinear filtering	1	4.12, 7.1.1.4, 7.1.1.25, 8.3.5.2, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Fig. 63, Table 35
KR	402,541	Variable length coding	19	7.1, 8.1.3.4, 8.1.3.5, 11.8, Figs. 41, 42, Table 31
KR	413,979	DC coefficient prediction	1	8.1.3.2, Figs. 38, 39, 40
KR	525,785	Overlap Smoothing	8	8.5, 8.5.1, 8.5.2, Fig. 74
KR	557,911	Bicubic Interpolation	7	4.12, 7.1, 7.1.1.32, 7.1.1.33, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, Figs. 16 to 19, 63 to 65, Tables 19 to 22, 46 to 50
KR	578,432	Intensity compensation	4	3.2, 7.1.1, 7.1.1.32, 8.3.4.3, 8.3.8, Figs. 3, 4, 16, 17, Tables 19, 20, 46, 47
KR	578,433	Intensity compensation	44	3.2, 7.1.1, 7.1.1.32, 8.3.4.3, 8.3.8, Figs. 3, 4, 16, 17, 67, Tables 19, 20, 46, 47
KR	584,549	Deblock Filtering	2	8.3.6.3, 8.3.6.4, 8.6, 8.6.2, 8.6.4, Fig. 77
KR	593,344	Bicubic Interpolation	1	3.2, 7.1.1, 7.1.1.25, 7.1.1.32, 8.3.6.5, 8.3.6.5.2, 8.3.7, Figs. 3, 4, 16, 17, 18, 19, 64, Tables 19, 20, 21, 22, 46, 47, 48
KR	598,367	Overlap Smoothing	6	8.5, 8.5.1, 8.5.2, Fig. 74
KR	598,368	Overlap Smoothing	1	8.5, 8.5.1, 8.5.2, Fig. 74
KR	598,369	Deblock Filtering	1	8.6, 8.6.4, Annex J.1.9, Figs. 81, 82, 83
KR	602,149	Deblock Filtering	5	8.6, 8.6.1, 8.6.4, Figs. 80 - 83
KR	605,290	Deblock Filtering	17	8.3.6.3, 8.3.6.4, 8.6, 8.6.2, 8.6.4, Fig. 77
KR	612,785	Deblock Filtering	5	8.6, 8.6.2, 8.6.4, J.1.9
KR	617,598	Fractional Sample Interpolation	1	8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.3.6.5.3, Figs. 63 - 66
KR	635,410	Motion Compensation	9	8.3.5.4, 8.3.5.4.1, 8.3.5.4.2, 8.3.5.4.3, 8.3.5.4.4, 8.3.5.4.5, 8.3.6.5, 8.3.6.5.1, Annex J.1.11, Figs. 56, 63
KR	640,937	Deblock Filtering	1	8.6, 8.6.4, Figs. 81 - 83
KR	643,819	Intensity compensation	1	7.1.1.32, 7.1.1.34, 7.1.1.35, 8, 8.3.8, Fig. 67, Tables 19, 20
KR	656,296	Overlap Smoothing	1	3.2, 4.12, 8, 8.1, 8.3, 8.5, 8.5.1, 8.5.2, 8.6, Figs. 3, 4
KR	665,213	Macroblock quantization	21	3.2, 7.1.1.6, 7.1.1.31, 7.1.1.31.6, 8, 8.1.2.8, 8.1.2.10, J.1.13, Figs. 3, 4, Table 36
KR	679,787	Interlace decoding	47	4.12, 5.2.2, 7.1.1.15, 7.1.1.17, 7.1.2, 7.1.2.2, 9.1.1.1, 9.1.1.4, 9.1.2, 10, Figs. 8, 22, 94, 95, 96, 97, Tables 26, 41
KR	681,370	Motion vector prediction	70	9.1.3.12, 9.1.3.18, 10.3, 10.3.5, 10.3.5.1, 10.3.5.4.2, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.4, 10.3.5.4.4.1, Figs. 114, 121
KR	681,971	Bicubic Interpolation	24	7.1.1, 7.1.1.32, 8.3.6.5, 8.3.6.5.2, Figs. 16, 17, 18, 19, 64, Tables 19, 20, 21, 22, 46, 47, 48
KR	681,972	Bicubic Interpolation	30	7.1.1, 7.1.1.32, 8.3.6.5, 8.3.6.5.2, Figs. 16, 17, 18, 19, 64, Tables 19, 20, 21, 22, 46, 47, 48

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Ctry.	Patent No.	Description	Claim	Sections
KR	685,771	Start codes and stuffing bits	1	4.12, 7.1, 7.1.3.8, 7.1.4.1, 7.1.4.6, 7.1.4.8, 8.8, Annex E, J.1.16, Figs. 25, 27, 28, 92, Tables 29, 31, 32
KR	685,772	Start codes and stuffing bits	1	4.12, 7.1, 7.1.3.8, 7.1.4.1, 7.1.4.6, 7.1.4.8, 8, 8.1.3.1, 8.1.3.4, 8.3.5.2.1, Annex E, J.1.16, Figs. 25, 27, 28, 37, 41, 50, Tables 29, 31, 32
KR	687,845	Overlap Smoothing	1	8.5, 8.5.1, 8.5.2, Fig. 74
KR	708,202	Deblock Filtering	1	7.1.4.17, 8.1.2.1, 8.3.5.5, 8.6, 8.6.2, 8.6.4, 8.6.4.1, J.1.9, Figs. 34, 35, 77, 84
KR	720,004	Macroblock quantization	1	3.2, 7.1.1.6, 7.1.1.31, 7.1.1.31.6, 7.1.2, 7.1.2.2, 8.1.3.8, J.1.13, Figs. 4, 21, 22, Table 36
KR	720,005	Macroblock quantization	1	7.1, 7.1.1.6, 7.1.1.31, 7.1.1.31.2, 7.1.1.31.3, 7.1.1.31.4, 7.1.1.31.6, 7.1.2, 7.1.2.2, Annex J.1.13, Fig. 22, Tables 26, 36, 43, 44, 45
KR	721,022	Overlap Smoothing	1	8.5, 8.5.1, 8.5.2, Fig. 74
KR	743,818	Overlap Smoothing	1	3.2, 4.12, 7.1.1.4, 8, 8.5, 8.5.1, 8.5.2, 8.6, Figs. 3, 4
KR	747,958	Bicubic Interpolation	2	4.12, 7.1, 7.1.1.32, 7.1.1.33, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, Figs. 16 to 19, 63 to 65, Tables 19 to 22, 46 to 50
KR	757,829	Fractional Sample Interpolation	1	8.3.6, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.3.6.5.3, Figs. 63, 64, 65, 66
KR	757,830	Fractional Sample Interpolation	1	8.3.6, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.3.6.5.3, Figs. 63, 64, 65, 66
KR	757,832	Fractional Sample Interpolation	1	8.3.6.2, 8.3.6.2.3, 8.3.6.2.4, 8.3.6.4, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.3.6.5.3, Figs. 59, 63, 64, 65, 66
KR	785,588	Deblock Filtering	11	8.3.5.1.1, 8.3.5.1.2, 8.3.5.2.1, 8.3.5.4, 8.3.5.5.1, 8.3.5.5.2, 8.3.6.2.2, 8.6, 8.6.2, 8.6.4.1, Annex J.1.9
KR	785,589	Deblock Filtering	10	4.12, 8.3.6.2, 8.3.6.4, 8.6, 8.6.2, Annex J.1.9
KR	804,902	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
KR	839,304	Deblock Filtering	1	4.13, 8.6, 8.6.4, Annex J.1.9, Figs. 81, 82, 83
KR	845,067	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
KR	846,778	Zigzag Scanning	14	8.3.5.2.1, 8.3.6, 8.3.6.2.5, 8.3.6.3, 8.3.6.4, 11.9, Tables 233 to 245
KR	885,441	Deblock Filtering	1	8.6, 8.6.4, Annex J.1.9, Figs. 81, 82, 83
KR	886,192	Deblock Filtering	1	8.6, 8.6.4, Annex J.1.9, Figs. 81, 82, 83
KR	895,932	Start codes	1	4.12, 7.1, 7.1.2, Annexes E, E.1, E.1.1, E.2, E.3, E.4, Tables 254, 255
KR	925,968	Skipped Macroblock	1	3.2, 4.12, 7.1.1.37, 7.2, 7.2.2, 8, 8.3, 8.3.4.4, 8.3.5.3, 8.3.5.3.6, 8.7, 8.7.2, Figs. 3, 4, Table 69
KR	945,826	Motion compensation	1	4.12, 5.3.1, 7.1.1.15, 9.1.1.1, 10.3.5.4, 10.3.5.4.1, Figs. 9, 112, Table 41
KR	947,162	Hypothetical reference decoder	1	4.12, 6, 6.1, 6.1.15, 6.1.15.1, Annex C, C.1, C.1.1, C.1.2, C.2, C.3, C.3.1, C.4, C.6, Fig. 162, Tables 3, 13
KR	965,704	Inverse transform	16	8.1.3.10, 8.3.6.1.7, 8.3.6.4, 10.1.2.9, 10.3.6.2.6, 10.5.2, Figs. 157, 159, Annex A.1
KR	999,311	Hypothetical reference decoder	1	4.12, 6, 6.1, 6.1.15, 6.1.15.1, Annex C, C.1, C.1.1, C.1.2, C.2, C.3, C.3.1, C.4, C.6, Fig. 162, Tables 3, 13
KR	1,028,955	Overlap Smoothing	10	7.1.1.29, 7.1.1.30, 7.1.3.3, 8.5.2, 10.9
KR	1,037,816	Interlace decoding	1	9, 9.1, 9.1.1.37, 9.1.3.2, 9.1.3.11, 9.1.3.18, 9.1.1.35, 10, 10.3.5.1.2, 10.3.5.5, Figs. 102, 103, 105, 106, 111, Tables 91, 92, 94, 95
KR	1,037,834	Interlace decoding	1	8.3.6.5, 9, 9.1, 9.1.1.44, 9.1.1.45, 10, 10.3.3, 10.3.5, 10.3.6, 10.3.6.2.7, Fig. 99, Table 88
KR	1,038,794	Motion vector prediction	1	9, 9.1, 10, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4.2, 10.3.5.4.4.1, Figs. 118, 121
KR	1,038,822	Interlace decoding	1	3.2, 4.12, 8.3.6.5, 9, 9.1, 10, 10.3.5.1.2, 10.3.5.4.4.2.2, 10.3.6.2.7, Figs. 4, 123
KR	1,104,019	Interlace decoding	7	9, 9.1, 9.1.3.12, 10, 10.7, 10.7.3, 10.7.3.1.4, 10.7.3.6, 10.7.3.7, Figs. 102, 131, 148, Table 91
KR	118,698	Variable length coding	1	4.12, 7.1.4.6, 8.1.3, 8.1.3.4, Figs. 3, 4, 36, 42
KR	303,685	DC coefficient prediction	1	8.1.3, 8.1.3.1, 8.1.3.2, Figs. 36, 37, 38, 39, 40
LI	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
LI	397402	B-pictures	7	1, 4.12, 8, 8.3.6, 8.3.6.5, 8.4.6, 10, 10.8.7

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Ctry.	Patent No.	Description	Claim	Sections
LI	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
LI	1091589	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
LI	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
LI	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
LI	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
LU	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
LU	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
MC	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
NL	260748	Variable length coding	1	4.12, 6.2, 7.1.4.6, 8.1.3.4, 8.3.6.1.7, 11.8, 11.8.1, Annex A
NL	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
NL	397402	B-pictures	7	1, 4.12, 8, 8.3.6, 8.3.6.5, 8.4.6, 10, 10.8.7
NL	414193	Inverse transform	4	1, 7.1, 7.1.1.6, 7.1.1.7, 7.1.1.8, 7.1.1.31, 8.1.3, 8.1.3.3, 8.1.3.8, 8.1.3.9, 8.1.3.10, 9.1, 9.1.1.25, 10.1.2, 10.1.2.7, 10.1.2.9, Annex A, J.1.13, Figs. 3, 13, 14
NL	443676	Hierarchical picture coding types	1	3.2, 4.12, 7.1.1.4, 9.1.1.2, Annex D, Table 252, Figs. 3, 4, 5
NL	460751	Decoding delay parameters	10	1, 6.1.15, 7.1, 7.1.1, 7.1.1.6, Annex C.1.1
NL	584840	B-pictures	1	3.2, 4.12, 4.14, 5.4, 6, 7.1.1.4, 8.1.3, 8.1.3.3, 8.1.3.4, 8.3.6.5.1, 8.3.6.5.2, 8.3.6.5.3, 8.3.6.2, 8.3.6.3, 8.3.6.2.1, 8.3.6.2.2, 8.3.6.2.3, 8.3.6.2.4, 8.3.6.2.5, 8.3.6.3, 8.3.6.4, Annex D, Table 2, Figs. 3, 4, 36, 59
NL	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
NL	0873018	Variable length coding	1	1, 4.12, 7.1.4.6, 7.1.4.7, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
NL	884,912	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
NL	1091589	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
NL	1100272	Variable length coding	1	1, 4.12, 7.1.4.6, 7.1.4.7, 7.1.4.10, 7.1.4.12, 7.1.4.13, 7.1.4.14, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
NL	1100273	Variable length coding	1	4.12, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.1.3.4, 8.1.3.5, 11.8, Fig. 41, Table 58
NL	1100274	Variable length coding	1	4.12, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.1.3.4, 8.1.3.5, 11.8, Fig. 41, Tables 58, 177
NL	1104972	Variable length coding	1	4.12, 7.1, 7.1.4.6, 7.1.4.7, 7.1.4.8, 7.1.4.15, 8, 8.1, 8.1.3.4, 8.1.3.5, 8.3.4.9, Fig. 41, Tables 31, 58
NL	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
NL	1,237,376	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex C, Figs. 3, 4, 63, 162
NL	1,237,377	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
NL	1,359,765	MVMODE	1	4.12, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8.3.8, Fig. 67
NL	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
NL	1,457,056	Skipped Macroblock	1	4.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
NL	1515567	Overlap Smoothing	1	1, 3.1, 4.12, 7.1.1, 7.1.1.4, 8.5, 8.5.1, 8.5.2, 8.6, Fig. 74, Tables 33, 34
NL	1,560,439	Run-level coding	1	1, 4.12, 7.1.4, 7.1.4.6, 7.1.4.7, 7.1.4.8, 8.1.1.1, 8.1.3.4, 9.1.4, 10.1.2.4, Fig. 41, Table 58
NL	1,694,076	Overlap Smoothing	3	1, 4.12, 6.2.10, 8.2, 8.5, 8.5.1, 8.5.2, 8.6, 10.2, 10.3.3, 10.3.4, Annex J.1.15

VC-1 Patent Portfolio License Cross-Reference Chart

Ctry.	Patent No.	Description	Claim	Sections
NL	1,746,844	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.4, C.6, Fig. 163
NL	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
NL	1,753,248	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.3, C.3.1, Fig. 163
NL	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
NL	2,262,269	Skipped Macroblock	1	1, 4.12, 7.1.1.37, 7.1.3.7, 7.2, 7.2.2, 8.3.4.4, 8.3.5.3.6, 8.7, 8.7.2, Fig. 32, Tables 22, 69
NL	2,271,116	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
NL	2,285,114	Direct mode	1	1, 4.12, 8.3.6.2, 10.3, 10.3.5, 10.3.5.1, 10.3.5.1.1, 10.4.5, 10.4.5.1, 10.4.5.1.1, 10.4.5.6, 10.7.3.4, Figs. 59, 125
NL	2,285,115	Interlace decoding	1	1, 4.12, 7.1.3.12, 7.1.3.14, 9, 9.1, 9.1.1.41, 9.1.3.14, 9.1.3.15, 9.1.3.16, 10.4, 10.4.5.5, 10.8, 10.8.6.1.2, 10.8.6.4, 10.8.6.7, Tables 57, 84, 92, 110
NL	2,288,164	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63, Tables 33, 34
NL	2,323,398	Interlace decoding	1	4.12, 8.3.6.5, 9.1.1.44, 10.3.3, 10.3.5, 10.3.5.4.2, 10.3.5.4.2.1, 10.3.6.2.7, Fig. 99, Table 88
NL	2,323,399	Motion Compensation	1	4.12, 8.3.6.5, 10.3.5, 10.3.5.1, 10.3.5.1.2, 10.3.5.4, 10.3.5.4.2, 10.3.5.4.4, 10.3.5.4.4.2, 10.3.5.4.4.2.2, 10.3.6.2.7, Fig. 123
NO	306,749	Inverse transform	4	1, 7.1, 7.1.1.6, 7.1.1.7, 7.1.1.8, 7.1.1.31, 8.1.3, 8.1.3.3, 8.1.3.8, 8.1.3.9, 8.1.3.10, 9.1, 9.1.1.25, 10.1.2, 10.1.2.7, 10.1.2.9, Annex A, J.1.13, Figs. 3, 13, 14
PT	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
PT	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
PT	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
PT	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
SE	248711	Skipped Blocks	1	1, 4.12, 5.2.2, 7.1.1.37, 7.1.3.7, 7.1.3.8, 7.1.3.9, 7.1.3.11, 7.1.3.13, 7.1.3.15, 7.2, 8.1.3.10, 8.3.4.4, 8.3.5.1, 8.3.5.4.1, 8.3.5.5, 8.7, 9.1
SE	260748	Variable length coding	1	4.12, 6.2, 7.1.4.6, 8.1.3.4, 8.3.6.1.7, 11.8, 11.8.1, Annex A
SE	359334	RFF (repeat first field flag)	3	1, 3.2, 4.12, 6.1.8, 7.1, 7.1.1.4, 7.1.1.17, 7.1.1.18, 7.1.1.19, 7.1.3.8, 7.1.3.11, Annex I.2.1, Figs. 4, 59, Table 35
SE	397402	B-pictures	7	1, 4.12, 8, 8.3.6, 8.3.6.5, 8.4.6, 10, 10.8.7
SE	414193	Inverse transform	4	1, 7.1, 7.1.1.6, 7.1.1.7, 7.1.1.8, 7.1.1.31, 8.1.3, 8.1.3.3, 8.1.3.8, 8.1.3.9, 8.1.3.10, 9.1, 9.1.1.25, 10.1.2, 10.1.2.7, 10.1.2.9, Annex A, J.1.13, Figs. 3, 13, 14
SE	443676	Hierarchical picture coding types	1	3.2, 4.12, 7.1.1.4, 9.1.1.2, Annex D, Table 252, Figs. 3, 4, 5
SE	460751	Decoding delay parameters	10	1, 6.1.15, 7.1, 7.1.1, 7.1.1.6, Annex C.1.1
SE	630547	Variable length coding	1	1, 4.12, 7.1.4.6, 8.1.3.3, 8.1.3.4, 8.1.3.8, 8.1.3.10, 8.3.6.3, 11.8, Annex A, A.1, Fig. 41, Tables 31, 32
SE	884,912	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
SE	1091589	Motion compensated prediction	5	1, 4.12, 8.3.6.1.7, 8.3.6.2, 9.1.1.45, 10.3.3, Annex A.1, Fig. 59, 108
SE	1135934	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1.2.1, 11.5
SE	1,237,376	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Annex C, Figs. 3, 4, 63, 162
SE	1,237,377	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
SE	1387585	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
SE	1,457,056	Skipped Macroblock	1	4.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
SE	1515567	Overlap Smoothing	1	1, 3.1, 4.12, 7.1.1, 7.1.1.4, 8.5, 8.5.1, 8.5.2, 8.6, Fig. 74, Tables 33, 34
SE	1,746,844	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.4, C.6, Fig. 163

VC-1 Patent Portfolio License Cross-Reference Chart

Ctry.	Patent No.	Description	Claim	Sections
SE	1,753,244	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
SE	1,753,248	Hypothetical reference decoder	1	1, 4.12, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.3, C.3.1, Fig. 163
SE	1,863,295	Coded block pattern	1	1, 4.12, 4.14, 7.1.3, 7.1.3.1, 8.1, 8.1.2.1, Figs. 34, 35, Table 70, 168
SE	2,271,116	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63
SE	2,288,164	Rounding	1	1, 3.2, 4.7, 4.12, 7.1.1, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8.3.3, 8.3.3.1, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.7, Figs. 3, 4, 63, Tables 33, 34
TR	1515567	Overlap Smoothing	1	1, 3.1, 4.12, 7.1.1, 7.1.1.4, 8.5, 8.5.1, 8.5.2, 8.6, Fig. 74, Tables 33, 34
TR	201005782	Start codes	10	1, 4.12, 7.1, 7.1.2, Annex E, E.1, E.1.1, E.2, Table 256
TR	200502315T4	Overlap Smoothing	1	1, 4.12, 8.5, 8.5.1, 8.5.2, 8.6
US	4,796,087	Skipped Blocks	1	3.1, 4.12, 7.1.3.7, 8.3.4.4, 8.7, 8.7.3, Figs. 16, 17, 25.
US	4,849,812	Transform selection	1	3.2, 4.12, 7.1.4.1, 7.1.4.6, 7.1.4.8, 8.1.3.10, 9.1.1.18, 9.1.3.1, 9.1.4, 10.5.1, 10.5.2, 10.7.3.4, Annex A.1, Tables 160 - 161, Figs. 4, 5, 36
US	4,864,393	Motion vectors	1	1, 4.12, 8.3.5.4.3, 9.1.3.12, 10.3.5.4, 10.3.5.4.2.1, 10.7.3.6, 10.7.3.7, Fig. 112
US	4,901,075	Variable length coding	8	1, 4.12, 8.1.3.4, 8.1.3.5, 8.1.3.9, 8.1.3.10, 11.8, 11.9, Tables 1, 177 - 183, Figs. 3, 4, 36, 41, 42
US	5,021,879	Macroblock headers	1	1, 3.2, 4.12, 5.2.2, 7.1.3, 7.1.3.7, 7.1.3.8, 8.1.3.8, 8.1.3.10, 8.3, 8.3.4.4, 8.3.5.2.1, 8.3.5.3.6, 8.3.5.5, 8.3.5.5.1, 8.3.5.5.2, 8.3.6, 8.3.6.1, 8.3.6.2, 8.3.6.3, 8.3.6.4, Figs. 3, 4, 8, 25, 50, 56, 59, 156
US	5,027,206	RFF (repeat first field flag)	3	3.2, 6.1.8, 6.1.9, 6.1.13, 7.1.1.18, 7.1.1.19, 7.1.3.13, 7.1.3.14, 7.1.3.15, 8.4.5.1, 8.4.5.3, 8.4.5.9, 9.1.1.5, Annexes I.2.1, I.2.3, Figs. 4, 5, 19, 26, Tables 22, 26.
US	5,072,295	Saturation control	4	1, 3.2, 4.12, 4.13, 7.1.1.31, 8.1.3, 8.1.3.1, 8.1.3.3, 8.1.3.4, 8.1.3.5, 8.1.3.8, 8.1.3.10, 8.3.6.2, 9.1.1.25, 10.1.2, 10.1.2.1, 10.1.2.3, 10.1.2.4, 10.1.2.7, 10.1.2.9, 10.3, 11.7, 11.8, Annex A.1, Figs. 3, 4, 36, 59, 159
US	5,103,307	B-pictures	4	3.2, 4.12, 5.4, 7.1.1.4, 8, 8.1, 8.1.3, 8.3, 8.3.6, 8.3.6.1, 8.3.6.2, 8.4, 8.4.5.1, 8.4.5.3, 8.4.5.15, 8.4.6, Figs. 3, 4, 5, 36, 59, 71, Tables 2, 33, 34, 35
US	5,128,758	Component optimization	11	3.2, 4.10, 5.2.1, 5.2.2, 8.1.2, 8.1.3, 8.1.3.1, 8.1.3.4, 8.3.5, 8.3.6, 8.3.6.1.6, Tables 71, 72, 76, 77, Figs. 3 - 5, 7, 8, 36
US	5,179,442	Component optimization	1	3.2, 4.10, 5.2.1, 5.2.2, 8.1.2, 8.1.3, 8.1.3.1, 8.1.3.4, 8.3.5, 8.3.6, 8.3.6.1.6, Tables 71, 72, 76, 77, Figs. 3 - 5, 7, 8, 36
US	5,223,949	B-pictures	5	3.2, 5.4, 7.1.1.4, 8, 8.1, 8.3, 8.4, Figs. 3 - 5, 36, 59, 71, Tables 2, 34, 35
US	5,235,618	Decoder buffer conformance	25	Annex C, C.1.1
US	5,343,248	TFF (top field first flag)	1	1.0, 3.2, 4.12, 7.1.1.15, 7.1.1.17, 9.1.1.1, 9.1.1.4, Annex I.2.2, Tables 82 - 85, Figs. 4 - 5
US	5,384,849	Deblock Filtering	7	4.12, 6.1, 6.1.5, 7, 7.1, 7.1.1.27, 8, 9, 9.1, 9.1.1.17, 10, Annex H, H.1, Fig. 10, 177, 178, 179, Tables 3, 18, 20, 22, 82, 83, 84, 87, 88, 89
US	5,461,420	RFF (repeat first field flag)	6	1, 3.1, 4.12, 5.1, 6, 6.1, 6.1.8, 6.1.9, 6.1.13, 7.1.1.17, 7.1.1.18, Annexes I.1, I.2, I.2.3, Table 3, Figs. 3, 4, 10
US	5,467,086	Motion compensated prediction	19	3.2, 7.1.3.8, 7.1.3.11, 8.1.2.2, 8.3, 8.3.5.1.1, 8.3.5.1.2, 8.3.5.2.1, 8.3.6.1, 8.3.6.2, 8.3.6.5.3, Figs. 3, 25, 36, 59, Tables 29, 31
US	5,510,840	FCM (frame coding mode flag)	7	3.2, 5.1, 5.2.2, 6.1.9, 7.1.1.15, 9.1, 9.1.1, 9.1.1.1, 9.1.1.18, 10, 10.5, 10.5.1, 10.7, 10.7.3, Table 41, Figs. 1, 2, 3, 94, 95, 96
US	5,539,466	Field/frame prediction selection	1	1, 4.12, 7.1.1.15, 8.3.6.2, 10.3, 10.3.2, 10.7, 10.7.3, 10.7.3.4, Annex A.1, Table 41, Figs. 59, 157-58
US	5,606,539	Decoding delay parameters	1	1, 3.2, 5.2.2, 5.4, 6.1.15, 6.1.15.1, 6.2.12, Annexes C.1.1, C.6, Table 2, Figs. 5, 163.
US	5,608,697	Decoding delay parameters	1	1, 3.2, 5.2.2, 5.4, 6.1.15, 6.1.15.1, 6.2.12, Annexes C.1.1, C.6, Table 2, Figs. 5, 163
US	5,654,706	Scanning pattern	1	1, 3.2, 4.12, 7.1.3.2, 8.1.3.4, 8.1.3.5, 8.1.3.6, 11.9.1, Figs. 3, 4, 36, 42, 46, Tables 73, 177 - 235

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Ctry.	Patent No.	Description	Claim	Sections
US	5,699,476	Hierarchical picture coding types	5	1, 4.12, 5.4, 7.1.1.4, 8.3.6.2, 8.3.6.5.3, 8.4.6, 8.4.15, Tables 2, 33, 34, 35, Figs. 59, 66
US	5,740,310	Picture header reference information	1	1, 7.1, 7.1.1.2, 7.1.1.16, Table 31, Figs. 13, 23, 27
US	5,844,867	Decoding delay parameters	1	1, 5.2.2, 5.4, 6.1.1.5, 6.1.15, 6.1.15.1, 6.2.12, Annexes C.1.1, C.6, G.1, G.3, Table 2, Figs. 163, 167
US	5,930,395	Slice header	1	3.1, 7.1.2.2, Fig. 22
US	5,970,175	B-pictures	1	1, 3.2, 4.12, 8.3.6.2, 8.3.6.3, 8.3.6.4, 8.3.6.5, 9.1, 10.3, 10.3.6.1, 10.3.6.2.7, 10.4, 10.4.5.5, 10.4.7, 10.8, Figs. 4, 59, 124
US	5,982,437	Variable length coding	1	4.12, 7.1.1.6, 8.1.3.4, 8.1.3.8, 8.3.5.1.1, 8.3.5.1.2, 8.3.6.1.6, 8.3.6.1, 8.3.6.2, 8.3.6.2.3, 8.3.6.3, Figs. 27, 28, 36, 59, Tables 19, 20, 71-72, 76-66
US	5,987,181	Decoding tools	1	3.2, 6.2, 6.2.11, 8, 8.1.3.8, 8.3.6.3, Annex J.1.19, J.2, Figs. 3, 4, 11, Tables 14, 259, 263
US	5,990,960	Scanning order	4	3.1, 3.2, 4.12, 6.1.9, 7.1.1.15, 8.1.3.6, 8.3.6.2, 8.3.6.2.3, 8.3.6.2.5, 8.3.6.3, 8.3.6.4, 8.3.6.5.3, 8.6.3.5, 9.1, 10, 10.3, 10.3.3, 10.3.5.4.2.2, 10.3.6.2, 10.3.6.2.4, 11.9.2, Figs. 4, 43, 44, 59, 66, 108-110, Tables 41, 236, 242
US	6,005,622	DC Predictor; intra block decode	15	3.2, 4.12, 7.1.1.6, 7.1.3.4, 8, 8.1.3, 8.1.3.2, 8.1.3.3, 8.1.3.7, Figs. 3, 4, 36, 38 to 40, 47, Table 36
US	6,028,967	Deblock Filtering	1	7.1.4, 7.1.1.27, Annex H, H.1, Table 42, Fig. 177
US	6,097,759	Scanning order	4	3.2, 8.1.3.6, 8.3.2, 8.3.5.2.1, 8.3.6.2, 8.3.6.5, 8.3.6.2.5, Figs. 3, 36, 44-46, 59, Table 73
US	6,115,503	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8.6, 8.6.1, 8.6.2, 8.6.4, 8.6.4.1, Annex J.1.9, Figs. 3, 4, 11, 75, 76 - 82, 84 - 88, Table 14
US	6,160,849	Field/frame prediction selection	1	1, 3.2, 10.5.2, 10.7, 10.7.3, 10.7.3.4, 10.7.4, 10.7.4.1, Figs. 4-5
US	6,188,794	B-pictures	1	1, 3.2, 4.12, 9.1, 10.4, 10.4.5.5, 10.8, Figs. 4, 124
US	6,215,905	DC coefficient prediction	1	8.1.3, 8.1.3.1, 8.1.3.2, 8.1.3.9, Table 74, Figs. 36, 37, 38, 40
US	6,282,243	Prediction rounding control	38	3.2, 4.12, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.3.6.5.3, 8.3.7, Figs. 3, 4, 61-66
US	6,307,973	B-pictures	1	1, 3.2, 4.12, 9.1, 10.4, 10.4.5.5, 10.8, Figs. 4, 124
US	6,341,144	Motion vector prediction	17	3.2, 4.12, 8, 8.1.3, 8.1.3.2, 8.1.3.7, Figs. 3, 4, 36, 38, 39, 40, 47
US	6,345,123	Variable length coding	2	7.1.4.6, 7.1.4.7, 7.1.4.8, 7.1.4.15, 8.1.3.4, Fig. 27, Tables 58, 177-181, 184-188
US	6,349,149	Variable length coding	1	7.1.4.7, 8.1.3.4, 8.1.3.5, 11.8.1, Figs. 41, 42, Tables 58, 177 - 179
US	6,404,929	Variable length coding	1	7.1.4.7, 8.1.3.4, 8.1.3.5, 11.8.1, Fig. 41, Tables 58, 177 - 179
US	6,408,098	Slice header	1	3.1, 7.1.1, 7.1.2, 7.1.2.2, Fig. 22, Table 26
US	6,490,372	Variable length coding	1	7.1.4.7, 8.1.3.4, 8.1.3.5, 11.8.1, Figs. 41 - 42, Tables 58, 177 - 179
US	6,493,385	MBMODE	6	3.2, 4.12, 7.1.1.32, 9.1.1.3, 10, 10.3.4, 10.3.4.1, 10.3.4.2, 10.3.5.3.1, 10.3.5.3.2, 10.3.5.4.3.1, 10.3.5.4.3.2, 10.3.5.5, 10.3.5.5.3.1, 11.4.1, 11.4.2, Tables 46-48, 98, 111, 112, 144-159, Fig. 4
US	6,556,625	DC Predictor; intra block decode	1	3.2, 4.12, 8, 8.1.3, 8.1.3.2, 8.1.3.7, Figs. 3, 4, 36, 38, 39, 40, 47
US	6,556,717	Variable length coding	2	7.1.4.7, 8.1.3.4, 8.1.3.5, 11.8.1, Figs. 41, 42, Tables 58, 177-179
US	6,563,953	Coded block pattern	15	1, 3.2, 4, 7.1.3.1, 7.1.3.11, 8.1.2.1, 8.3.5.5, 8.3.5.5.1, 8.3.5.5.2, 11.5, 11.6, Figs. 23-25, 35, 36, Tables 27-29, 70, 168-172
US	6,571,361	Start codes and stuffing bits	19	3.1, 4.12, 7.1, 7.1.1, 7.1.2, 7.1.2.2, 8.8, Annex E, E.2, J.1.16, Figs. 27-28, 92, Table 31-32, 254
US	6,584,227	Bilinear filtering	1	3.2, 4.12, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8, 8.3, 8.3.5.2.1, 8.3.5.4, 8.3.5.4.1, 8.3.6.5, 8.3.6.5.1, 8.3.7; Figs. 3, 4, 63; Tables 29, 33, 34, 35
US	6,621,931	Slice header	1	3.1, 7.1.1, 7.1.2, 7.1.2.2, Figs. 17, 22, Tables 20, 26
US	6,650,781	Bilinear filtering	3	1, 3.2, 4.12, 7.1.1.4, 7.1.1.25, 7.1.3.8, 8, 8.3, 8.3.5.2.1, 8.3.5.4, 8.3.5.4.1, 8.3.6.5, 8.3.6.5.1, 8.3.7; Figs. 3, 4, 63; Tables 29, 33, 34, 35
US	6680975	Scanning pattern	56	4.12, 4.14, 7.1.3.2, 8.1.2.2, 8.1.3, 8.1.3.2, 8.1.3.4, 8.1.3.6, 8.1.3.7, 10.1.1.2, 10.1.2.4, 10.1.2.5, 11.9.1, Figs. 36, 39, 40, 44 - 48, Tables 73, 233 - 235
US	6,681,050	Inverse quantization	1	3.2, 6.2, 6.2.11, 7.1, 7.1.1.6, 7.1.1.7, 7.1.1.8, 8, 8.1.3.8, 8.3.6.3, Annex J.1.19, J.2, Figs. 3, 4, 11, 13, 15, Tables 14, 16, 18, 36, 259, 263

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Ctry.	Patent No.	Description	Claim	Sections
US	6,687,409	Inverse quantization	1	3.2, 6.2, 6.2.11, 8, 8.1.3.8, 8.3.6.3, Annex J.1.19, J.2, Figs. 3, 4, 11, Tables 14, 259, 263
US	6,701,018	Slice header	1	3.1, 7.1.1, 7.1.2, 7.1.2.2, Figs. 17, 22, Tables 20, 26
US	6,728,317	Fractional Sample Interpolation	2	8.3.6.5, 8.3.6.5.2, Fig. 65
US	6,735,345	Coded block pattern	15	1, 3.2, 7.1.3, 7.1.3.1, 7.1.3.11, 8.1.2.1, 8.3.5.5, 8.3.5.5.1, 8.3.5.5.2, 11.5, 11.6, Tables 27-29, 70, 168-172, Figs. 5, 23-25, 34-36
US	6,862,043	Video conversion	1	3.2, 4.12, 6.2, 6.2.2, 6.2.15, 6.2.15.1, 6.2.16, 6.2.16.1, 7.1.1.3, 8.3.4, 8.3.4.11, 8.4.4.14, J.1.17, Table 14, Figs. 3, 4, 11
US	6,934,331	Brightness compensation	5	1, 3.2, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8.3.8, Figs. 3, 4, 67, Tables 46, 47
US	7,054,494	Coded block pattern	26	1, 3.2, 7.1.3, 7.1.3.1, 7.1.3.11, 8.1.2.1, 8.3.5.5, 8.3.5.5.1, 8.3.5.5.2, 11.5, 11.6, Tables 27-29, 70, 168-172, Figs. 5, 23-25, 34-36
US	7,068,721	Motion vector prediction	5	3.2, 4.12, 5.2.2, 7.1.1.32, 7.1.3.6, 7.1.3.11, 8.3.3, 8.3.3.1, 8.3.3.2, 8.3.5, 8.3.5.1, 8.3.5.1.1, 8.3.5.1.2, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.2, 8.3.5.3.3, 8.3.5.4.1, 8.3.6.5, Figs. 3, 4, 8, 52, 53, 54, Tables 46, 47
US	7,092,445	DC Predictor; intra block decode	50	3.2, 4.12, 8, 8.1.3.2, Figs. 3, 4, 38 to 40
US	7,092,576	FIELDTX	1	4.12, 7.2, 8.7, 9, 9.1, 9.1.1.18, 9.1.3.1, Annex D.1, Fig. 32, Tables 82, 91, 92
US	7,099,515	AC Prediction	11	4.12, 7, 7.1, 7.1.1.28, 7.1.3.2, 7.2, 8.1.2.2, 8.1.3.7, 8.7, 9, 9.1, 9.1.1.19, Figs. 32, 47, Tables 18, 29, 91
US	7,110,459	Fractional Sample Interpolation	17	4.5, 4.10, 4.12, 8.3.6.5.2, Figs. 64, 65
US	7,116,831	Motion Vectors	5	3.2, 4.12, 6.2, 6.2.6, 8.3.5.4, 8.3.5.4.1, 8.3.5.4.2, 8.3.5.4.3, 8.3.5.4.4, 8.3.5.4.5, Annexes J.1.11, J.2, Figs. 3, 4, 11, 57, Tables 14, 263
US	7,120,197	Deblock Filtering	1	3.2, 4.12, 6.2.5, 8.6, 8.6.4, Annex J.1.9, Figs. 3, 4, 80 - 82, Table 252
US	7,127,114	Coded block pattern	17	1, 3.2, 7.1.3, 7.1.3.1, 7.1.3.11, 8.1.2.1, 8.3.5.5, 8.3.5.5.1, 8.3.5.5.2, 11.5, 11.6, Figs. 5, 23-25, 34-35, 36, Tables 27-29, 70, 168-172
US	7,162,093	Overlap Smoothing	4	3.1, 4.12, 7, 7.1, 7.1.2, 7.1.2.1, 8.5.2, Fig. 22, Table 26
US	7,167,590	Motion Compensation	2	3.2, 6.2, 8.1.3.8, 8.3.5.4.2, 8.3.6.3, 8.3.6.4, 8.3.6.5, Annex J.1.11, J.2, Figs. 3, 4, Tables 14, 263
US	7,194,136	Motion Compensation	6	3.2, 6.2, 6.2.11, 8.1.3.8, 8.3.5.4.2, 8.3.6.3, 8.3.6.4, 8.3.6.5, Annex J.1.19, J.2, Figs. 3, 4, 11, Tables 14, 259, 263
US	7,200,275	Skipped Blocks	1	7.1, 7.1.1.37, 7.2, 7.2.2, 7.2.3, 8.3.4.4, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Tables 19, 20, 69
US	7,233,706	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,239,755	Deblock Filtering	14	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,242,713	Inverse transform	13	4.12, 8, 8.1.3.10, 8.3.6.1.7, Annex A.1, Figs. 157, 158, 159
US	7,248,740	Start codes	1	3.2, 4.12; Annex E, E.1, E.1.1, E.2, Figs. 3, 4, Table 254
US	7,262,886	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,266,149	Variable-size Transform Decoding	43	4.12, 6.2, 6.2.9, 7.1, 7.1.1.40, 7.1.1.41, 7.1.3.10, 7.1.4.16, 8, 8.3, 8.3.3.2, 8.3.4.8, 8.3.5.6, 8.3.6.2, 8.3.6.2.1, Annex J, J.1.14, Figs. 11, 16, 17, 25, 28, 59, 60, Tables 19, 20, 53, 54, 55, 56, 62, 63, 64
US	7,266,150	Direct mode	6	4.12, 5.4, 8.4.5.1, 8.4.5.3, 8.4.5.4, Table 2, Figs. 69, 70, 71
US	7,272,182	Motion vector prediction	8	3.2, 7.1, 7.1.3.9, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.3, 8.3.5.3.5, Figs. 3, 4, 25, 50 to 55, Tables 29, 75
US	7,277,484	Quantization parameters	43	3.2, 4.13, 6.2.8, 7.1.1.6, 7.1.1.31, 7.1.1.31.6, 7.1.3.4, 8.1.3.8, Figs. 3, 4, Table 36, Annex J.1.13
US	7,277,486	Intensity Compensation	1	1, 3.2, 4.12, 7.1, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8.3.4.3, 8.3.6.5, 8.3.8, Figs. 3, 4, 16, 17, 67, Tables 19, 20, 46, 47
US	7,277,593	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,283,681	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,283,682	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179

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Ctry.	Patent No.	Description	Claim	Sections
US	7,289,682	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,292,657	Scanning pattern	1	4.12, 4.14, 7.1.3.2, 8.1.2.2, 8.1.3, 8.1.3.2, 8.1.3.4, 8.1.3.6, 8.1.3.7, 10.1.1.2, 10.1.2.4, 10.1.2.5, 11.9.1, Figs. 36, 39, 40, 44-48, Tables 73, 233-235
US	7,305,034	Bicubic Interpolation	1	3.2, 4.12, 7.1.1, 7.1.1.25, 7.1.1.32, 8.3.6.5, 8.3.6.5.2, 8.3.7, Figs. 3, 4, 16, 17, 18, 19, 64, Tables 19, 20, 21, 22, 46, 47, 48
US	7,305,142	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,310,372	Motion vector prediction	14	3.2, 7.1, 7.1.3.9, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.3, 8.3.5.3.5, 8.3.5.4.1, Figs. 3, 4, 25, 50 to 55, and Tables 29, 75
US	7,317,839	Motion Compensation	1	3.2, 4.12, 8.3.6.5, 10.3, 10.3.5.1.2, 10.3.5.4.4.1, 10.3.5.4.4.2, 10.3.5.4.4.2.2, 10.3.6.2, 10.3.6.2.7, Annex D.2, Figs. 4, 121, 123, Table 252
US	7,319,415	Deblock Filtering	1	3.2, 4.2, 8.6.1, 8.6.4, Figs. 3, 4, 75, 81, 82
US	7,321,995	Start codes and stuffing bits	1	3.1, 4.12, 7.1, 7.1.1, 7.1.2, 7.1.2.2, 8, 8.1.3.1, 8.1.3.4, 8.3.5.2.1, 8.8, Annex E, E.2, J.1.16, Figs. 1, 25-27, 28, 37, 41, 50, 92, Tables 29, 31-32, 254
US	7,340,102	Motion Compensation	4	3.2, 6.2, 6.2.11, 8.1.3.8, 8.3.5.4.2, 8.3.6.3, 8.3.6.4, 8.3.6.5, Annex J.1.11, J.1.19, J.2, Figs. 3, 4, 11, Tables 14, 259, 263
US	7,352,812	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8, 8.6, 8.6.2, 8.6.4, Annex J.1.9, J.2, Figs. 3, 4, 11, 78 to 83, Tables 14, 263
US	7,352,905	Motion Compensation	9	3.2, 4.12, 10.7, 10.7.3.1, 10.7.3.1.4, 10.7.3.5, 10.7.3.5.4, 10.7.3.5.7, 10.7.3.6, 10.7.3.7, Annex D.2, Figs. 4, 131, 132, 133, 141 to 144, 146, 147, 148, Table 252
US	7,359,569	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,359,570	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,362,913	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,362,914	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,369,709	Overlap Smoothing	10	3.2, 4.12, 7.1.1.29, 7.1.1.30, 7.1.3.3, 8, 8.5, 8.5.2, 10, 10.9, 10.9.1, 10.9.2
US	7,379,496	Multi-resolution Coding	1	4.12, 7.1.1.10, 8.1, 8.1.1.3, 8.3, 8.3.4.2, Annex J, J.1.10, Table 38
US	7,379,607	Skipped Macroblock	4	4.12, 4.15, 5.2.2, 7.1, 7.1.1.37, 7.2, 7.2.2, 7.2.3, 8, 8.3, 8.3.4.4, 8.3.5, 8.3.5.1, 8.3.5.3.6, 8.3.6, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
US	7,379,616	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 177, 178, 179
US	7,379,617	Deblock Filtering	1	3.2, 4.12, Annex H, H.1, Figs. 3, 4, 177, 178, 179
US	7,391,921	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,391,922	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,391,923	Deblock Filtering	1	7.1.1.27, 7.1.4, Annexes H, H.1, Figs. 177, 178, 179, Table 42
US	7,394,945	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,397,965	Deblock Filtering	1	3.2, 4.12, 4.13, 6.2.5, 7.1.1.6, 8.6, 8.6.4, Annex H, H.1, J.1.9, Figs. 3, 4, 81, 82
US	7,403,667	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,408,990	Motion vector differential	11	1, 3.1, 3.2, 4.12, 7.1.1.38, 7.1.3, 7.1.3.8, 7.1.3.11, 8.3.5, 8.3.5.1, 8.3.5.1.1, 8.3.5.1.2, 8.3.5.2, 8.3.5.2.1, 11.10, Figs. 1, 3, 4, 25, 50, Tables 51, 246 to 249
US	7,412,102	Overlap Smoothing	9	1, 3.1, 3.2, 4.10, 6.2, 6.2.10, 7.1, 7.1.1.29, 7.1.1.30, 8.5, 8.5.2, 10.5, 10.5.2, 10.9, 10.9.2, Annex J.1.15, Figs. 1, 4, 11, 15, 74, 128
US	7,426,308	DC Predictor; intra block decode	1	4.12, 8.1.3.1, 8.3.6.1.3, 10.5, 10.5.1, 10.5.2, 10.5.2.1, 10.7, 10.7.3, Figs. 38, 58, 128
US	7,437,015	Deblock Filtering	1	3.2, 4.12, 7.1.1.27, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,454,082	Deblock Filtering	1	7.1.1.27, 7.1.4, Annex H, H.1, Fig. 177
US	7,463,684	Intensity Compensation	8	3.2, 4.12, 7.1, 7.1.1.32, 7.1.1.34, 7.1.1.35, 8.3.4.3, 8.3.6.5, 8.3.8, Figs. 3, 4, 16, 17, 67, Tables 19, 20, 46, 47
US	7,469,011	Variable length coding	1	3.2, 4.12, 7.1, 7.1.4.6, 7.1.4.7, 7.1.4.10, 7.1.4.11, 7.1.4.12, 7.1.4.14, 8.1.3.4, Figs. 4, 27, 41, Tables 31, 58
US	7,471,726	Overlap Smoothing	31	3.2, 6.2.10, 7.1.1.6, 7.1.1.29, 8.1.3.10, 8.5, 8.5.1, 8.5.2, Annex J.1.15, Figs. 3, 4, 74

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Ctry.	Patent No.	Description	Claim	Sections
US	7,475,298	Start codes and stuffing bits	1	3.1, 4.12, 7.1, 7.1.2, Annex E, E.2, Figs. 22, 25, 27, 28, Tables 26, 29, 31, 32
US	7,492,960	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 177, 178, 179
US	7,492,961	Deblock Filtering	1	4.12, 4.13, 7.1.1.6, 8.6, 8.6.4, Annex J.1.9, Figs. 3, 4, 81, 82
US	7,499,495	Motion vector range	9	3.2, 4.12, 6.2, 6.2.7, 7.1.1, 7.1.1.9, 8.3, 8.3.5.4, 8.3.5.4.1, Annex J.1.12, Figs. 3, 4, 11, 16, 17, 56, Table 19, 20, 37
US	7,499,598	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 4, 177
US	7,502,415	Range Reduction syntax	10	3.2, 4.12, 7.1.1.3, 8.3.4.11, 8.3.6.2, 8.3.6.5, Annex J.1.17, Figs. 3, 16, 59, Table 19,
US	7,505,485	Start codes	12	3.2, 4.12, Annex E, E.1, E.1.1, E.2, Figs. 3, 4, Table 254
US	7,529,302	Prediction Type decoding	1	1, 3.2, 4.12, 9, 9.1, 9.1.1.53, 9.1.3.15, 9.1.3.19, 10.4, 10.4.4, 10.4.4.2, 10.4.5, 10.4.5.1, 10.4.5.1.2, 10.4.5.3, 10.4.5.5, 10.4.5.7, Figs. 4, 100, Table 89, 110
US	7,555,167	Skipped Macroblock	1	1, 3.2, 4.12, 7.1.3.2, 7.1.3.3, 7.1.3.6, 7.1.3.7, 7.1.3.12, 7.2, 7.2.2, 7.2.3, 8.7, 8.7.3, 8.7.3.1, 8.7.3.2, 8.7.3.3, 8.7.3.4, 8.7.3.5, 8.7.3.6, 8.7.3.7, Figs. 3, 4, 32, Table 69
US	7,561,623	Deblock Filtering	1	3.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 77, 81, 82, 83
US	7,567,617	Motion vector prediction	1	3.2, 4.12, 8.3.6.5, 10.3, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4, 10.3.5.4.3.4.2, 10.3.5.4.4.1, 10.3.6.2.7, Figs. 4, 108, 114, 116, 118, 121
US	7,577,198	Interlace decoding	1	4.12, 8.3.6.5, 9.1.1.44, 9.1.1.45, 10.3, 10.3.3, 10.3.6.2, 10.3.6.2.7, Figs. 99, 109, 110, 117, Table 88
US	7,577,200	Extended Differential Motion Vector	1	6.2.14, 7.1.1.9, 8.3.5.2.1, 9.1, 9.1.1.26, 9.1.1.27, 9.1.1.34, 10.3.5.4.2, 10.3.5.4.2.1, Figs. 11, 95, 96, 99, 100, 113, Table 14, 37, 75, 83, 84, 88, 89, 96, 97, 100, 140 to 143.
US	7,580,584	Inverse quantization	4	3.2, 4.12, 6, 6.2, 6.2.11, 7, 7.1, 7.1.1, 7.1.1.6, 7.1.1.8, 8.1.3.8, Annex J.1.19, Figs. 3, 4, 11, 13 to 19, Tables 14, 16 to 22, 36, 259
US	7,590,179	Forward MB Mode	1	4.12, 9.1.1.53, 9.1.3, 9.1.3.8, 9.1.3.15, 9.1.3.19, 10.4, 10.4.5, 10.4.5.1, 10.4.5.3, Fig. 100, Table 89
US	7,593,466	Hypothetical reference decoder	1	4.12, 6.1, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.2, C.3, C.3.1, Fig. 162, Tables 3, 13
US	7,599,438	Interlace decoding	19	3.2, 4.12, 9.1.1.35, 9.1.3.2, 9.1.3.10, 9.1.3.11, 10, 10.3.5.1.2, 10.3.5.5, 10.4.5.1.2, 10.7.3.2, 10.8.6.1.5, Figs. 4, 102, 103, 105, 106, 111, Tables 70, 91, 92, 94, 95, 102, 116 to 131
US	7,599,571	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 177, 178, 179
US	7,606,308	Interlace decoding	1	3.2, 4.12, 7.1.1.32, 9.1.1, 9.1.1.46, 9.1.1.47, 9.1.3, 9.1.3.8, 10.3, 10.3.5.3, 10.3.5.3.1, 10.3.5.3.2, Figs. 4, 105, Tables 94, 111, 112, 144 to 159
US	7,606,311	Macroblock mode table (MBMODETAB)	7	3.2, 9.1.1.33, 10, 10.7, 10.7.3, 10.7.3.1.1, 10.7.3.1.2, 10.7.3.1.3, 10.7.3.1.4, 10.7.3.4, 11.4.3, 11.4.4; Fig. 4; Tables 99, 160 to 167
US	7,609,762	Entry point start code	7	3.2, 4.12, 7.1.1.15, 8, 9.1.1.1, 9.1.1.42, 10, Annex G, G.3, Tables 41, 105
US	7,609,763	Direct mode	1	1, 4.12, 7.1.1.14, 8.4, 8.4.4, 8.4.5.4, 9.1.1.40, 10.8, 10.8.3, 10.8.6.6, Figs. 69, 70, 71, Table 40.
US	7,609,767	Intensity Compensation	14	3.2, 4.12, 7.1, 7.1.1.32, 7.1.1.33, 7.1.1.34, 7.1.1.35, 8, 8.3.4.3, 8.3.8, 10, Figs. 16, 17, 67, Tables 19, 20, 46, 47, 49, 50, 67
US	7,616,692	Motion vector prediction	1	3.2, 4.12, 10.3, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4, 10.3.5.4.3.4.2, 10.3.5.4.3.5, 10.3.5.4.4.1, Figs. 4, 108, 114, 116, 118, 120, 121
US	7,616,831	Deblock Filtering	1	3.2, 4.12, Annexes H, H.1, Figs. 4, 177, 178, 179
US	7,616,832	Deblock Filtering	1	3.2, 4.12, 4.13, 6.2.5, 7.1.1.6, 8.6, 8.6.4, Annex J.1.9, Figs. 3, 4, 81, 82
US	7,616,833	Deblock Filtering	1	3.2, 4.12, 4.13, 6.2.5, 7.1.1.6, 8.6, 8.6.4, Annex J.1.9, Figs. 3, 4, 81, 82
US	7,620,106	Motion vector prediction	6	3.2, 4.12, 9.1.3.12, 9.1.3.18, 10.3, 10.3.5.1.1, 10.3.5.1.2, 10.3.5.4.2, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.4.2, 10.3.5.4.4.1, Figs. 4, 105, 114, 118, 121, Table 94
US	7,620,109	Fractional Sample Interpolation	1	3.2, 4.12, 7.1.1, 7.1.1.32, 8.1.3.10, 8.3.6.5, 8.3.6.5.2, Figs. 3, 4, 16 to 19, 64, 65, Tables 19 to 22, 46 to 48
US	7,623,574	Motion vector prediction	16	3.2, 4.12, 10.3, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4, 10.3.5.4.3.4.2, 10.3.5.4.4.1, Figs. 4, 108, 114, 116, 118, 121

VC-1 Patent Portfolio License Cross-Reference Chart

Ctry.	Patent No.	Description	Claim	Sections
US	7,630,437	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	7,630,438	Direct Mode Motion Vectors	1	4.12, 10.4, 10.4.5, 10.4.5.1, 10.4.5.6, Figs. 100, 125, 126, Table 89
US	7,646,809	DC Predictor; intra block decode	1	3.2, 4.12, 7, 7.1, 7.1.3.2, 8.1.3, 8.1.3.2, 8.1.3.7, 8.1.3.8, 8.1.3.9, 8.1.3.10, Figs. 3, 4, 8, 35, 38, 39, 40, 36, 48, Tables 18, 27, 28, 29, 30
US	7,646,816	Hypothetical reference decoder	25	4.12, 6.1, 6.1.15, 6.1.15.1, 8, 10, Annex C, C.1, C.1.1, C.2, C.3, C.3.1, C.6, Fig. 162, Tables 3, 13
US	7,664,177	Interlace BI Field decoding	1	4.12, 9.1.1, 9.1.1.42, 10.2, Figs. 97, 98, 104, 106, Tables 85, 87, 93, 95, 105
US	7,680,185	Interlace decoding	1	4.12, 7.1.1.15, 9.1.1, 9.1.1.1, 9.1.1.42, 9.1.3, 10.4, 10.4.5, 10.4.5.1, Figs. 97, 100, 124, Tables 41, 85, 89, 105
US	7,688,894	Scanning pattern	1	3.2, 4.2, 4.12, 8, 8.1.3.6, 8.1.3.8, 8.3.6.2, 8.3.6.2.3, 8.3.6.2.4, 8.3.6.2.5, 8.3.6.3, 8.3.6.4, 10, 11.9.2, Annex A, Figs. 43, 59, 157, 158, 159, Tables 244
US	7,738,554	DC Differential	1	3.2, 7.1.4, 7.1.4.1, 7.1.4.3, 7.1.4.4, 8.1, 8.1.3.1, Figs. 3, 4, 37
US	7,782,954	Scanning pattern	7	3.2, 4.12, 8, 8.3, 8.3.6.2, 8.3.6.2.3, 8.3.6.2.4, 8.3.6.2.5, Figs. 4, 59, Table 241
US	7,787,542	Deblock Filtering	12	3.2, 8.3.6.4, 8.3.6.5, 8.6, 8.6.2, Figs. 3, 4
US	7,801,216	Deblock Filtering	1	3.2, 6.1, 6.1.5, 7.1.1.27, Annex H, H.2, H.2.1, H.2.2, H.2.3, H.2.3.1, Figs. 4, 181, 182, Tables 3, 42
US	7,822,123	Repeat padding	14	3.2, 4.2, 4.12, 5.5.1, 6.1, 6.1.6, 6.1.7, 6.1.9, 6.2, 6.2.13, 6.2.13.1, 6.2.13.2, 7.1, 7.1.1.15, 7.21, 8, 8.3, 8.3.2, 9.1.1.1, 10, 10.3, 10.3.2, Figs. 4, 10, 11, 12, 49, 107, Tables 3, 14, 41
US	7,830,963	Transform type syntax	1	1, 3.2, 4.12, 7.1.3, 7.1.3.10, 7.1.4, 7.1.4.16, 8.3.5.6, Tables 54, 55, 56, 62, 63, 64, Figs. 3, 4, 30, 31
US	7,839,895	Start codes	9	1, 3.2, 4.12; Annex E, E.1, E.1.1, E.2; and Figs. 4, 254
US	7,839,930	Entry point start code	32	3.2, 4.12, 5.2.2, 6.2, 8, 9.1.1.44, 9.1.1.45, 10, 10.1, 10.3, Annex G.3, G.3.3, Fig.169
US	7,839,933	Entry-point header syntax	1	3.2, 4.12, 5.1, 5.5.1, 6.1, 6.1.7, 6.1.9, 6.2, 6.2.13, 6.2.13.2, 7.1, 7.1.1.15, 8, 8.5, 9.1, 9.1.1.1; Figs. 4, 8, 10 to 12, 15, 17, 19, 20, 94 to 97; and Tables 3, 14, 18, 20, 22, 23, 41, 82 to 85
US	7,852,919	Frame/field start codes	1	3.2, 4.12, 5.2.2, 8, 10, Annexes G, G.3, G.3.3, G.4, G.5, Fig. 169
US	7,852,936	Motion vector prediction	8	3.2, 4.12, 8, 9, 9.1, 10, 10.3.5.4.3.4.2, 10.4, 10.4.6, 10.4.6.1, Figs. 100, 106, 118, Tables 89, 95
US	7,876,818	Frame rate syntax	1	1, 4.12, 6.1, 6.1.14.4, 6.1.14.4.1, 6.1.14.4.2, 6.1.14.4.3, 6.1.14.4.4, Table 3, Annexes I.1, I.2, L, L.1, L.3
US	7,894,530	Inverse transform	6	1, 3.2, 4.12, 7, 7.1, 7.1.1, 7.1.1.4, 7.1.1.40, 7.1.1.41, 6.2, 6.2.9, 7.1.1.40, 7.1.1.41, 8.3.4.7, 8.3.4.8, 8.3.6, 8.3.6.2, 8.3.6.2.1, 8.3.6.4, Annex J.1.14, Figs. 3, 4, 60, Tables 33, 34, 35, 53
US	7,924,920	Motion vector prediction	1	3.2, 4.12, 10, 10.7, 10.7.3, 10.7.3.1.2, 10.7.3.5, 10.7.3.5.3, 10.7.3.5.6, 10.7.3.5.7, Figs. 4, 129, 133, 139, 140, 146, 147
US	7,924,921	Entry-point header syntax	4	3.2, 4.12, 5.2.2, 6.1, 6.2, 6.2.3, 6.2.4, 6.2.5, 6.2.6, 6.2.7, 6.2.8, 6.2.9, 6.2.10, 6.2.11, 6.2.14, 7.1, Annex J.1.9, J.1.11, J.1.12, J.1.13, J.1.14, J.1.15, J.1.19, Figs. 4, 10, 11, Tables 3, 14, 259
US	7,924,924	Motion vector prediction	4	3.2, 7.1, 7.1.3.9, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.3, 8.3.5.3.5, Figs. 3, 25, 40, 50-55, Tables 29, 75
US	7,944,977	Overlap Smoothing	1	3.2, 4.12, 8, 8.3.6.2, 8.5, 8.5.1, J.1.15, Figs. 3, 59, 74
US	7,961,786	Interlace decoding	1, 2	3.2, 4.12, 7.1.1.15, 9.1.1.1, 9.1.1.42, Figs. 4, 97, Tables 41, 85, 105
US	7,961,793	Overlap Smoothing	1	3.2, 4.12, 5.4, 8, 8.3.6.2, 8.5, 8.5.1, 8.5.2, J.1.15, Figs. 3, 6, 59, 74
US	7,974,346	DC Predictor; intra block decode	61	3.2, 4.12, 8, 8.1.3.2, Figs. 3, 4, 38 to 40
US	8,009,739	Intensity Compensation	1	3.2, 4.12, 7.1.1.32, 8.3.8, 9.1, 9.1.1, 9.1.1.44, 9.1.1.46, 9.1.1.48, 9.1.1.49, 9.1.1.50, 9.1.1.51, 9.1.1.52, 10.3, 10.3.3, 10.3.8, Figs. 4, 67, 99, 108 to 110, Tables 46, 47, 88, 107 to 109
US	8,014,450	Range Mapping	9	3.2, 4.10, 4.12, 6, 6.2, 6.2.15, 6.2.15.1, 6.2.16, 6.2.16.1, Figs. 4, 11, Table 14
US	8,040,957	Deblock Filtering	8	3.2, 8.3.6.4, 8.3.6.5, 8.6, 8.6.2, 8.6.4, 8.6.4.1, Figs. 3, 4

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Ctry.	Patent No.	Description	Claim	Sections
US	8,085,844	Motion vector prediction	1	4.12, 6.2, 6.2.4, 7.1.1.15, 8.3.6.2, 9.1, 9.1.1, 9.1.1.1, 9.1.1.42, 9.1.1.43, 10.3, 10.3.5.4.3, 10.3.5.4.4, 10.3.5.4.4.1, 10.3.5.4.2.2, 10.3.5.4.3.4.2, Figs. 11, 59, 97, 118, 119, Tables: 14, 41, 85, 105, 106, 113, 114
US	8,107,531	Skipped Frame Syntax	1	3.2, 4.12, 7.1.1.4, 8.3.1, Fig. 4, Tables 23, 35
US	8,111,754	Direct mode	11	4.12, 5.4, 7.1.1, 7.1.1.4, 7.1.1.14, 8.4, 8.4.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, Tables 2, 34, 35, Figs. 69, 70, 71
US	8,116,380	RFF (repeat first field flag)	1	3.2, 4.10, 6, 6.1, 6.1.8, 6.1.9, 7.1.1.15, 7.1.1.17, 7.1.1.18, 7.1.1.19, 8.9.1, 8.9.2, 10, Figs. 4, 10, 93, Tables 18, 20, 22, 41
US	8,160,138	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	8,184,722	Deblock Filtering	1	3.2, 4.12, 6.2.5, 6.2.10, 7.1.1, 7.1.1.4, 8, 8.3.6.2, 8.5, 8.5.1, 8.5.2, 8.6, Annex J.1.9, J.1.15, Figs. 3, 4, 59, 74, Tables 33, 34, 35
US	8,208,749	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	8,218,624	Quantization parameters	4	3.2, 4.13, 7.1.1, 7.1.1.6, 7.1.1.7, 8.1, 8.1.3.3, 8.1.3.8, 8.3, 8.3.6.3, 9.1.1, 9.1.1.14, 9.1.1.15, Figs. 3, 4, 13, 15, 16, 17, Table 36
US	8,233,528	Overlap Smoothing	1	3.2, 4.13, 7.1.1.6, 8, 8.5, 8.5.1, 8.5.2, Figs. 3, 4, 74, Table 36
US	8,243,791	Overlap Smoothing	1	3.2, 4.13, 7.1.1.6, 8, 8.5, 8.5.1, 8.5.2, Figs. 3, 4, 74, Table 36
US	8,243,820	Maximum width/height	1	3.2, 4.12, 6, 6.1, 6.1.4, 6.1.5, 6.1.6, 6.1.7, 6.2, 6.2.13, 6.2.13.1, 6.2.13.2, 6.2.15, 6.2.15.1, 6.2.16, 6.2.16.1, 8, 10, Annex G.3, Figs. 4, 5, 10, 11, 12, Tables 3, 14
US	8,249,158	Direct mode	1	4.12, 5.4, 7.1.1.14, 8.4, 8.4.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, Tables 2, 34, 35, Figs. 69, 70, 71
US	8,290,039	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	8,295,366	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8.6, 8.6.2, 8.6.4, 8.6.4.1, Annex J.1.9, Figs. 3, 4, 11, Table 14
US	8,340,184	Motion vector prediction	3	3.2, 7.1, 7.1.3.9, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.3, 8.3.5.3.5, Figs. 3, 4, 25, 50 to 55, Tables 29, 75
US	8,345,754	Hypothetical reference decoder	1	3.2, 4.12, 5.2.2, 6.1, 6.1.15, 6.1.15.1, 6.2, 6.2.12, 8, Figs. 4, 10, 11, Tables 13, 15
US	8,345,759	Motion vector prediction	2	3.2, 7.1, 7.1.3.9, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.3, 8.3.5.3.5, Figs. 3, 4, 25, 50 to 55, Tables 29, 75
US	8,406,544	Bilinear filtering	1	3.2, 4.12, 7.1.3.8, 8, 8.3, 8.3.5.2.1, 8.3.5.4, 8.3.5.4.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.3, 8.3.7; Figs. 3, 4, 63, 66; Table 29
US	8,428,138	Motion vector prediction	10	3.2, 4.12, 7.1, 7.1.3.9, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.3, 8.3.6.3.5, Figs. 3, 4, 25, 50 to 55, Tables 29, 75
US	8,428,141	Deblock Filtering	7	3.2, 4.12, 8, 8.6, 8.6.1, 8.6.2, 8.6.4, Figs. 3, 4, 81, 82
US	8,428,374	Skipped Macroblock	1	4.12, 4.15, 5.2.2, 7.1, 7.1.1.37, 7.2, 7.2.2, 7.2.3, 8, 8.3.4.4, 8.3.5.3.6, 8.7, 8.7.2, 8.7.3, 8.7.3.6, 8.7.3.7, Figs. 32, 91, Table 69
US	8,457,438	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	8,532,193	Deblock Filtering	1	3.2, 4.12, 8, 8.3, 8.3.6, 8.3.6.5, 8.6, 8.6.1, 8.6.2, 8.6.4, Figs. 3, 4, 81, 82
US	8,553,780	Motion vector prediction	1	3.2, 4.12, 7.1, 7.1.3.9, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.3, 8.3.5.3.5, Figs. 3, 4, 25, 50 to 55, Tables 29, 75
US	8,565,316	Deblock Filtering	1	3.2, 4.12, 8, 8.3, 8.3.6, 8.3.6.5, 8.6, 8.6.1, 8.6.2, 8.6.4, Figs. 3, 4, 81, 82
US	8,571,109	Deblock Filtering	1	4.12, 8, 8.6, 8.6.1, 8.6.2, 8.6.4, Figs. 81, 82
US	8,571,110	Deblock Filtering	1	3.2, 4.12, 8, 8.3, 8.3.6, 8.3.6.5, 8.6, 8.6.1, 8.6.2, 8.6.4, Figs. 3, 4, 81, 82
US	8,599,923	Motion vector prediction	1	3.2, 4.12, 7.1, 7.1.3.9, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.3, 8.3.5.3.5, 8.3.5.4.1 Figs. 3, 4, 25, 50 to 55, Tables 29, 75
US	8,611,682	Bilinear filtering	1	1, 3.2, 4.12, 7.1.3.8, 8, 8.3, 8.3.5.2.1, 8.3.5.4, 8.3.5.4.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.3, 8.3.7; Figs. 3, 4, 63, 66; Table 29
US	8,625,669	Motion vector prediction	14	3.2, 4.12, 8.3.6.5, 10.3, 10.3.5.4.2.2, 10.3.5.4.3, 10.3.5.4.3.3, 10.3.5.4.3.4, 10.3.5.4.3.4.2, 10.3.5.4.4.1, Figs. 4, 108, 114, 116, 118, 119, 121

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Ctry.	Patent No.	Description	Claim	Sections
US	8,625,675	Deblock Filtering	1	3.2, 4.12, 8, 8.3, 8.3.6, 8.3.6.5, 8.6, 8.6.1, 8.6.2, 8.6.4, Figs. 3, 4, 81, 82
US	8,625,680	Post processing	1	3.2, 3.3, 4.12, 6.1, 6.1.4, 6.1.4.1, 6.1.4.2, 6.1.5, 6.2, 7.1.1, 7.1.1.4, 7.1.1.9, 7.1.1.32, 8, 8.6, Annex I, I.1, I.6, Figs. 4, 6, 10, 15, 184, Tables 6, 14, 35, 37, 42, 46, 47
US	8,638,864	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8.1.3.10, 8.6, 8.6.2, 8.6.4, 8.6.4.1, Annex J.1, J.1.9, Figs. 3, 4, 11, Table 14
US	8,654,856	Motion vector prediction	1	3.2, 4.12, 7.1, 7.1.3.9, 8.3.5.2, 8.3.5.2.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.2, 8.3.5.3.3, 8.3.5.3.5, 8.3.5.4.1 Figs. 3, 4, 25, 50 to 55, Tables 29, 75
US	8,687,709	Variable-size Transform Decoding	1	3.2, 4.12, 6.25, 6.29, 7.1.1.40, 7.1.1.41, 7.1.3.10, 8.3.4.7, 8.3.4.8, 9, 9.1, 9.1.1.38, 9.1.1.39, 9.1.3.1, 9.1.3.8, 9.1.3.13, 10, 10.7, 10.7.3.4, 10.10.4.4, Annex J.1.9, J.1.14, Figs. 4, 11, 95, 102, Tables 14, 83, 91
US	8,699,568	Deblock Filtering	17	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	8,731,063	Deblock Filtering	1	4.12, 8, 8.6, 8.6.1, 8.6.2, 8.6.4, Figs. 81, 82
US	8,743,966	Deblock Filtering	1	4.12, 8, 8.6, 8.6.1, 8.6.2, 8.6.4, Figs. 81, 82
US	8,781,240	Skipped Macroblock	1	4.12, 7.1, 7.1.1, 7.1.1.37, 7.1.3, 7.1.3.7, 7.2, 7.2.2, 8, 8.3.4.4, 8.3.5.1.3, 8.7, Fig. 32, Table 69
US	8,787,450	Overlap Smoothing	1	3.2, 4.13, 7.1.1.6, 8, 8.5, 8.5.1, 8.5.2, Figs. 3, 4, 74, Table 36
US	8,787,451	Overlap Smoothing	1	3.2, 4.13, 7.1.1.6, 8, 8.5, 8.5.1, 8.5.2, Figs. 3, 4, 74, Table 36
US	8,787,452	Overlap Smoothing	1	3.2, 4.13, 7.1.1.6, 8, 8.5, 8.5.1, 8.5.2, Figs. 3, 4, 74, Table 36
US	8,798,142	Overlap Smoothing	1	3.2, 4.12, 4.13, 7.1.1.6, 8, 8.3.5.2.1, 8.5, 8.5.1, 8.5.2, Figs. 3, 4, 74, Table 36
US	8,811,476	Overlap Smoothing	1	3.2, 4.12, 4.13, 7.1.1.6, 8, 8.3.5.2.1, 8.5, 8.5.1, 8.5.2, Figs. 3, 4, 74, Table 36
US	8,817,868	Transform type syntax	13	3.2, 4.12, 7.1, 7.1.3.10, 7.1.4.16, 7.1.4.17, 8, 10, Figs. 3, 4, 30, Table 32
US	8,837,583	Overlap Smoothing	1	3.2, 4.13, 7.1.1.6, 8, 8.5, 8.5.1, 8.5.2, Figs. 3, 4, 74, Table 36
US	8,837,584	Overlap Smoothing	1	3.2, 4.12, 4.13, 7.1.1.6, 8, 8.3.5.2.1, 8.5, 8.5.1, 8.5.2, Figs. 3, 4, 74, Table 36
US	8,855,202	Range Mapping	11	3.1, 3.2, 4.10, 4.12, 6, 6.2.1, 6.2.2, 6.2, 6.2.15, 6.2.15.1, 6.2.16, 6.2.16.1, Figs. 4, 11, Table 14
US	8,873,643	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8.6, 8.6.2, 8.6.4, 8.6.4.1, Annex J.1.9, Figs. 3, 4, 11, Table 14
US	8,891,890	Bilinear filtering	1	1, 3.2, 4.12, 7.1.3.8, 8, 8.3, 8.3.5.2.1, 8.3.5.4, 8.3.5.4.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.3, 8.3.7, Figs. 3, 4, 63, 66, Table 29
US	8,917,768	Motion vector prediction	1	3.2, 4.12, 7.1, 7.1.3.9, 8.3.4.4, 8.3.5, 8.3.5.1, 8.3.5.3, 8.3.5.3.1, 8.3.5.3.3, 8.3.6.5, Figs. 3, 4, 51, 54, 55, Table 29
US	8,942,296	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8.1.3.10, 8.6, 8.6.2, 8.6.4, 8.6.4.1, Annex J.1, J.1.9, Figs. 3, 4, 11, Table 14
US	8,948,268	Quantization parameters	1	3.2, 4.13, 6.2.8, 7.1.1.6, 7.1.1.31, 7.1.1.31.6, 8.1.3.8, Annex J.1.13, Figs. 3, 4, Tables 17, 18, 36
US	8,953,691	Deblock Filtering	1	4.12, 8, 8.6, 8.6.1, 8.6.2, 8.6.4, Figs. 81, 82
US	8,976,866	Direct mode	1	4.12, 7.1.1.14, 8.4, 8.4.3, 8.4.4, 8.4.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, 8.4.5.15, Figs. 69, 70, 71, Table 40
US	8,982,954	Direct mode	1	4.12, 7.1.1.14, 8.4, 8.4.3, 8.4.4, 8.4.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, 8.4.5.15, Figs. 69, 70, 71, Table 40
US	8,982,955	Direct mode	1	4.12, 7.1.1.14, 8.4, 8.4.3, 8.4.4, 8.4.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, 8.4.5.15, Figs. 69, 70, 71, Table 40
US	8,983,225	Deblock Filtering	1	3.2, 4.12, 4.13, 6.2.5, 7.1.1.6, 7.1.1.27, 7.1.4, 8.6, 8.6.4, Annexes H, H.1, J.1.9, Figs. 3, 4, 81, 82, 177, 178, 179
US	9,008,183	Direct mode	1	4.12, 7.1.1.14, 8.4, 8.4.3, 8.4.4, 8.4.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, 8.4.5.15, Figs. 69, 70, 71, Table 40
US	9,060,105	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,060,163	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8.1.3.10, 8.6, 8.6.2, 8.6.4, 8.6.4.1, Annex J.1, J.1.9, Figs. 3, 4, 11, Table 14
US	9,060,181	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8.1.3.10, 8.6, 8.6.2, 8.6.4, 8.6.4.1, Annex J.1, J.1.9, Figs. 3, 4, 11, Table 14
US	9,071,847	Maximum width/height	1	3.2, 4.12, 6, 6.1, 6.1.6, 6.1.7, 6.2, 6.2.13, 6.2.13.1, 6.2.13.2, 8, 10, Annex G.3, Figs. 4, 5, 10, 11, 12, Tables 3, 14
US	9,077,959	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8.1.3.10, 8.6, 8.6.2, 8.6.4, 8.6.4.1, Annex J.1, J.1.9, Figs. 3, 4, 11, Table 14

VC-1 Patent Portfolio License Cross-Reference Chart

Ctry.	Patent No.	Description	Claim	Sections
US	9,106,912	Quantization parameters	1	3.2, 4.13, 6.2.8, 7.1.1.6, 7.1.1.31, 7.1.1.31.6, 8.1.3.8, Annex: J.1.13, Figs. 3, 4, Tables 17, 18, 36
US	9,161,059	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,258,574	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,264,705	Deblock Filtering	1	3.2, 6.2, 6.2.5, 8.1.3.10, 8.6, 8.6.2, 8.6.4, 8.6.4.1, Annex J.1, J.1.9, Figs. 3, 4, 11, Table 14
US	9,313,509	DC Differential	1	3.2, 4.13, 7.1.3.4, 7.1.4, 7.1.4.1, 7.1.4.2, 8.1, 8.1.3.1, 8.1.3.3, Figs. 3, 4, 29, 37
US	9,344,730	Deblock Filtering	2	3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 80, 81
US	9,398,299	Inverse transform	7	1, 3.2, 4.12, 6.2, 6.2.9, 7, 7.1, 7.1.1, 7.1.1.4, 7.1.3.10, 7.1.4.16, 8.3.4, 8.3.4.7, 8.3.4.8, 8.3.5.6, 8.3.6, 8.3.6.2, 8.3.6.2.1, 8.3.6.4, 8.4.6, 10.3.5.2, 10.7.3.4, Annex J.1.14, Figs. 3, 4, 60, Tables 14, 33, 34, 35, 54, 62
US	9,407,913	Deblock Filtering	1	3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 80, 81
US	9,407,914	Deblock Filtering	1	3.2, 4.12, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 80, 81
US	9,414,075	Quantization parameters	1	3.2, 4.13, 6.2.8, 7.1.1.6, 7.1.1.31, 7.1.1.31.6, 8.1.3.8, Annex J.1.13, Figs. 3, 4, Table 36
US	9,456,216	Variable-size Transform Decoding	16	3.2, 4.12, 6.2, 6.2.9, 7.1, 7.1.1.40, 7.1.1.41, 7.1.3.10, 7.1.4.16, 7.1.4.17, 8, 10, Annex J, J.1.14, Figs. 3, 4, 11, 16, 17, 25, 28, 30, Tables 32, 53, 54, 55, 56, 62, 63, 64
US	9,467,714	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,467,715	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,467,716	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,467,717	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,479,796	Maximum width/height	14	3.2, 4.12, 6, 6.1, 6.1.6, 6.1.7, 6.2, 6.2.13, 6.2.13.1, 6.2.13.2, 8, 10, Annex G.3, Figs. 4, 5, 10, 11, 12, Tables 3, 14
US	9,532,077	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,532,078	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,532,079	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,538,203	Deblock Filtering	1	3.2, 8.3.6.2, 8.6, 8.6.2, 8.6.4, Annex J.1.9, Figs. 3, 4, 59, 77, 81, 82, 83
US	9,628,801	Inverse transform	1	1, 3.2, 4.12, 6.2, 6.2.9, 7, 7.1, 7.1.1, 7.1.1.4, 7.1.3.10, 7.1.4.16, 8.3.4, 8.3.4.7, 8.3.4.8, 8.3.5.6, 8.3.6, 8.3.6.2, 8.3.6.2.1, 8.3.6.4, 8.4.6, 10.3.5.2, 10.7.3.4, Annex J.1.14, Figs. 3, 4, 60, Tables 14, 33, 34, 35, 54, 62
US	9,788,012	Direct mode	1	4.12, 5.4, 7.1.1, 7.1.1.4, 7.1.1.14, 8.3.6.5, 8.3.6.5.2, 8.4, 8.4.5, 8.4.5.1, 8.4.5.3, 8.4.5.4, Figs. 64, 65, 69, 70, 71, Tables 2, 34, 35
US	9,948,955	Transform type syntax	1	1, 3.2, 4.12, 6.2, 6.2.9, 7, 7.1, 7.1.1, 7.1.1.4, 7.1.3.10, 7.1.4.16, 8.3.4, 8.3.4.7, 8.3.4.8, 8.3.5.6, 8.3.6, 8.3.6.2, 8.3.6.2.1, 8.3.6.4, 8.4.6, 10.3.5.2, 10.7.3.4, Annex J.1.14, Figs. 3, 4, 60, Tables 14, 33, 34, 35, 54, 62
US	10,063,863	DC Differential	12	3.2, 4.13, 7.1.1, 7.1.1.13, 7.1.3.4, 7.1.4, 7.1.4.1, 8.1, 8.1.1, 8.1.1.2, 8.1.3.1, Figs. 3, 4, 37
US	Re. 34,965	B-pictures	13	4.12, 5.4, 7.1.1.4, 7.1.3.14, 8.3.6.2, 8.3.6.5.3, 8.4, 8.4.5.1, 8.4.5.3, 8.4.5.15, Figs. 5, 59, 71, Tables 2, 34, 35, 57
US	Re. 35,158	B-pictures	16	4.12, 7.1.3.14, 8.4.1, 8.4.5.1, 8.4.5.3, 8.4.5.14, 8.4.5.15, Table 57
US	Re. 35,910	B-pictures	7	3.2, 4.12, 5.4, 8, 8.1, 8.1.3, 8.3, 8.3.6.1, 8.3.6.2, 8.3.6.5.3, 8.4, 8.4.5.3, 8.4.5.15, Figs. 3 - 5, 36, 59, 66, 71
US	Re. 37,057	RFF (repeat first field flag); PANSCAN_FLAG	45	1, 3.2, 4.12, 5.2.2, 6.1, 6.1.6, 6.1.7, 6.1.8, 6.1.9, 6.1.13, 6.1.14, 6.1.14.1, 6.1.14.2, 6.2, 6.2.3, 6.2.13, 6.2.13.1, 6.2.13.2, 7, 7.1.1.19, 7.1.1.20, 7.1.1.21, 7.1.1.24, 8, 8.9, 8.9.2, 8.9.3, 10, Annexes I.2, I.4, I.4.1, I.5, Table 18, Figs. 4, 5, 8, 10, 11, 12, 15, 93
US	Re. 37,222	B-pictures	16	1, 3.2, 4.12, 8, 8.1, 8.1.1, 8.1.2, 8.1.3, 8.3, 8.3.2, 8.4, 8.4.5, 8.4.5.1, Figs. 3, 4, 8, 36, 59, 71
US	Re. 37,858	Scanning order	5	3.2, 3.3, 4.12, 7.1.1.15, 8, 8.1.3.6, 8.3.6.2, 8.3.6.2.1, 8.3.6.2.5, 8.3.6.5, 9.1.1, 9.1.1.1, 9.1.1.18, 9.1.3.1, 9.1.3.8, 9.1.3.13, 10, 10.3.6.2, 10.3.6.2.1, 10.3.6.2.4, 10.5, 10.5.1, 10.7, 10.7.3, 10.7.3.4, 10.7.4, 10.7.4.1, Figs. 4, 5, 43, 59, 61, 95, 128, Tables 41, 236-245

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Ctry.	Patent No.	Description	Claim	Sections
US	Re. 39,167	Variable length coding	8	7.1.1.6, 8.1.3.1, 8.1.3.2, 8.1.3.3, 8.1.3.4, 8.1.3.5, 8.3.5, 8.3.5.2.1, 8.3.6.1, 8.3.6.1.6, 8.3.6.2.3, Table 36, 76, 77, 78, 79, Figs. 27, 41, 42, 50
US	Re. 40,177	Deblock Filtering = replaces US 6,594,400 of which it is a reissue	1	3.2, 4.12, 6.2, 6.2.10, 8, 8.5, 8.5.1, 8.5.2, 10.9, 10.9.1, 10.9.2, J.1.15, Table 14, Figs. 3, 4, 11, 74
US	Re. 40,178	Deblock Filtering	21	3.2, 4.12, 7.1.1.6, Annexes H, H.1, Figs. 3, 4, 177-179
US	Re. 40,179	Deblock Filtering	21	3.2, 4.12, 8.6, 8.6.4, Annexes H, H.1, Figs. 81, 177-179
US	Re. 40,180	Deblock Filtering	21	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 81, 177-179
US	Re. 41, 953	Deblock Filtering	21	3.2, 4.12, 4.13, 8, 8.3.4.1, 8.6, 8.6.4, Figs. 4, 78, 79, 80, 81, 82
US	Re. 41,089	Deblock Filtering	27	8, 8.6, 8.6.2, 8.6.4, Figs. 4, 78, 80, 81, 82, 83
US	Re. 41,400	Deblock Filtering	27	4.13, 7.1.1.6, 8, 8.6.2, 8.6.4, Figs. 78, 80, 81, 82, 83, Table 36
US	Re. 41,402	Deblock Filtering	21	3.2, 4.12, Annexes H, H.1, Figs. 3, 4, 177, 178
US	Re. 41,909	Deblock Filtering	21	3.2, 4.12, 4.13, 8, 8.3.4.1, 8.6, 8.6.4 and Figs. 4, 78, 79, 80, 81, and 82
US	Re. 41,932	Deblock Filtering	21	3.2, 4.12, 4.13, 8, 8.3.4.1, 8.6, 8.6.4 and Figs. 4, 78 to 82
US	Re. 42,516	Deblock Filtering	14	4.12, 4.13, 7.1.1.6, 7.1.1.27, Annex H, H.1, Table 42, Figs. 177, 178, 179
US	Re. 42,660	Deblock Filtering	1	1, 4.12, 4.13, 7.1.1.6, 7.1.1.27, Annex H, H.1, Tables 42, Figs. 178, 179
US	Re. 42,693	Deblock Filtering	20	4.12, 4.13, 7.1.1.6, 7.1.1.27, Annex H, H.1, Table 42, Figs. 177, 178, 179
US	Re. 42,713	Deblock Filtering	20	4.12, 4.13, 7.1.1.6, 7.1.1.27, Annex H, H.1, Table 42, Figs. 177, 178, 179
US	Re. 42,851	Deblock Filtering	20	4.12, 4.13, 7.1.1.6, 7.1.1.27, Annex H, H.1, Table 42, Figs. 177, 178, 179
US	Re. 43,628	Deblock Filtering	12	3.2, 4.12, 8.6, 8.6.2, Figs. 3, 4
US	Re. 44,012	MVMODE	28	1, 3.2, 4.12, 7, 7.1, 7.1.1.32, 7.1.3, 7.1.3.8, 7.1.3.13, 7.1.3.15, 8, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.4.5, 8.4.5.1, 8.4.5.5, Figs. 3, 4, 16, 17, 25, 63 to 65, and Tables 29, 46, 47
US	Re. 44,235	Fractional Sample Interpolation	12	8.3.6.5, 8.3.6.5.2, Fig. 65
US	Re. 44,497	Deblock Filtering	19	3.2, 4.12, 6.2, 6.2.5, 8, 8.6, 8.6.2, 8.6.4, Annex J.1.9, J.2; Figs. 3, 4, 11, 78 to 83, Tables 14, 263
US	Re. 45,014	MVMODE	28	1, 3.2, 4.12, 7, 7.1, 7.1.1.32, 7.1.3, 7.1.3.8, 7.1.3.13, 7.1.3.15, 8, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.4.5, 8.4.5.1, 8.4.5.5, Figs. 3, 4, 16, 17, 25, 63 to 65, Tables 29, 46, 47
US	Re. 45,082	Fractional Sample Interpolation	12	8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, Figs. 63, 65
US	Re. 45,250	Deblock Filtering	18	3.2, 4.12, 6.2, 6.2.5, 8, 8.6, 8.6.2, 8.6.4, Annex J.1.9, J.2, Figs. 3, 4, 11, 78 to 83, Tables 14, 263
US	Re. 46,468	MVMODE	29	1, 3.2, 4.12, 7, 7.1, 7.1.1.32, 7.1.3, 7.1.3.8, 7.1.3.13, 7.1.3.15, 8, 8.3.5.2.1, 8.3.6.5, 8.3.6.5.1, 8.3.6.5.2, 8.4.5, 8.4.5.1, 8.4.5.5, Figs. 3, 4, 16, 17, 25, 63, 64, 65, Tables 29, 46, 47
US	5,579,413	Variable length coding	1	3.2, 4.12, 7.1, 7.1.4.6, 8.1.3.6, 11.8 - 11.8.7, Annex A, Figs. 3, 4, 13, 15, 43 - 46, Tables 18, 73, 177 - 232
US	6,574,369	Variable length coding	1	7.1.4.7, 8.1.3.4, 8.1.3.5, 11.8.1, Fig. 41, Tables 58, 177-179
US	7,079,694	Interlace decoding	1	3.2, 4.12, 8.1.3, 8.1.3.2, 8.1.3.3, 8.1.3.7, 8.1.3.8, 10.1.2, 10.1.2.2, 10.1.2.3, 10.1.2.6, 10.1.2.7, 10.5, 10.5.2, 10.5.2.1, 10.5.2.2, Figs. 3, 4, 36, 38, 39, 40, 47, 48, 128
US	7,116,829	Variable length coding	1	7.1.4.7, 8.1.3.4, 8.1.3.5, 11.8.1, Fig. 41, Tables 58, 177 to 179
US	7,126,989	Deblock Filtering	1	3.2, 4.12, 6.2.5, 6.2.10, 8.3.6.2, 8.5, 8.5.1, 8.6, Annexes J.1.9, J.1.15, Figs. 3, 4, 59, 74
US	7,289,670	Variable length coding	1	7.1.4.7, 8.1.3.4, 8.1.3.5, 11.8.1, Figs. 41, 42, Tables 58, 177, 178, 179
US	7,379,606	Variable length coding	1	7.1.4.7, 8.1.3.4, 8.1.3.5, 11.8.1, Figs. 41, 42, Tables 58, 177, 178, 179
US	7,394,941	AC/DC Coefficient Prediction	1	3.2, 4.12, 8.1.3, 8.1.3.2, 8.1.3.7, 10.1.2, 10.1.2.2, 10.1.2.6, 10.5, 10.5.2, 10.5.2.1, 10.5.2.2, Figs. 3, 4, 36, 38, 39, 40, 47, 48, 128
US	7,424,158	AC/DC Coefficient Prediction	1	3.2, 4.12, 8.1.3, 8.1.3.2, 8.1.3.7, 10.1.2, 10.1.2.2, 10.1.2.6, 10.5, 10.5.2, 10.5.2.1, 10.5.2.2, Figs. 3, 4, 36, 38, 39, 40, 47, 48, 128
US	7,437,008	DC Coefficient Prediction	1	3.2, 4.12, 8.1.3, 8.1.3.1, 8.1.3.2, Figs. 3, 4, 36, 37, 38, 39, 40, Table 31

VC-1 Patent Portfolio License Cross-Reference Chart

Ctry.	Patent No.	Description	Claim	Sections
US	7,444,029	AC/DC Coefficient Prediction	1	3.2, 4.12, 7.1, 8.1.3, 8.1.3.2, 8.1.3.3, 8.1.3.7, 8.1.3.8, 10.1.2, 10.1.2.2, 10.1.2.6, 10.5, 10.5.2, 10.5.2.1, 10.5.2.2, Figs. 3, 4, 36, 38, 39, 40, 47, 48, 128, Table 31
US	7,522,775	Variable length (de)coding	1	7.1.4.7, 8.1.3.4, 8.1.3.5, 8.3.1.4, 11.8.1, Figs. 41, 42, Tables 58, 177 to 179
US	7,583,731	Overlap Smoothing	1	3.2, 4.12, 6.2.5, 6.2.10, 8, 8.3.6.2, 8.5, 8.5.1, 8.5.2, 8.6, Annexes J.1.9, J.1.15, Figs. 3, 4, 59, 74
US	7,929,616	Overlap Smoothing	1	3.2, 4.12, 6.2.5, 6.2.10, 8, 8.3.6.2, 8.5, 8.5.1, 8.5.2, 8.6, Annex J.1.15, Figs. 3, 4, 59, 74, Tables 33, 34, 35
US	7,995,654	DC Coefficient Prediction	1, 4	3.2, 8.1.3, 8.1.3.1, 8.1.3.2, Figs. 3, 4, 36 to 40