

SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS*

HITACHI ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-RW Specification
4,646,103		4	DVD-RW, Part 1: <i>Secs.:</i> 1.6, 3.2.9, 3.3.1, 4.2.1 <i>Figs.:</i> 2.1.7.2-1, 4.2.1-2 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH1-9, PH2-23, PH3-12, 13, 17, PH4-3, 4
5,586,108		12	DVD-RW, Part 1: <i>Secs.:</i> 3.2, 3.2.7, 3.2.8, 3.2.9 <i>Figs.:</i> 3.2-1, 3.2.7-1, 3.2.8-1, 3.2.9-1 <i>Pages:</i> PH3-2, 9 to 12
5,768,298		19	DVD-RW, Part 1: <i>Secs.:</i> 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.8, 3.2.9 <i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.8-1, 3.2.9-1 <i>Pages:</i> PH3-2, 3, 9, 11, 12
5,983,387	KR 239,236	2	DVD-RW, Part 1: <i>Secs.:</i> 2.1, 3.2, 3.2.1, 3.2.2, 3.27, 3.28, 3.2.9 <i>Annex:</i> T <i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.8-1, 3.2.9-1, T1 <i>Pages:</i> PH2-1, PH3-2, 3, 9, 11, 12, PHX-T1
6,076,184	KR 239,238	2	DVD-RW, Part 1: <i>Secs.:</i> 2.1.1, 3.2.2, 3.2.9 <i>Annex:</i> T <i>Figs.:</i> 3.2.1-1, 3.2.9-1 <i>Pages:</i> PH2-1, PH3-2, 3, 12, PHX-T1

* This report shows *illustrative* essential claims of each patent. Other patent claims also may be essential. Additionally, citations to the DVD specifications reflect one mapping of the representative claim to the DVD specifications. Other mappings of the representative claim or other claims in the patent to the DVD specifications may also be possible.

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HITACHI ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-RW Specification
6,140,028		1	DVD-RW, Part 1: <i>Secs.:</i> 2.1.1, 2.1.3.2, 2.1.3.8, 4.1.2 <i>Figs.:</i> 2.1.1-1, 2.1.3.8-1, 2.1.4-1 <i>Pages:</i> PH2-1, 4, 6, 7, 12, PH4-1
6,314,542		4	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 2.1.1, 2.2.1, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.9, 3.4.1.1, 3.4.1.4.1, 4.2.1, 4.2.2 <i>Annex:</i> T <i>Figs.:</i> 2.1.1-1, 2.2.1-1, 3.2-1, 3.2.1-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH1-1, PH2-1, 25, PH3-1 to 3, 12, 13, 28, 36-3, PH4-3, 6, PHX-T1

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JVC ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-RW Specification
5,014,274	EP 337,702 (DE, FR, GB, NL); HK 1,000,543; KR 59,670	2	DVD-RW, Part 1: <i>Secs.:</i> 3.2, 3.2.2, 3.2.6 <i>Figs.:</i> 3.2-1, 3.2.6-1 <i>Table:</i> 3.2.6-1 <i>Pages:</i> PH3-2, 3, 8
5,949,750		3	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 2.1.1, 3.1.1, 3.1.4, 3.2.6 <i>Fig.:</i> 3.2.6-1 <i>Table:</i> 3.2.6-1 <i>Pages:</i> PH1-1, PH2-1, PH3-1, 8
6,965,555		16	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 2.1.6, 2.1.8.2, 2.2.1, 2.2.7.1, 2.2.7.3, 3, 3.1.1, 3.1.3, 3.2, 3.2.2, 3.4.1.1, 3.4.1.4, 4, 4.1.1 <i>Annex:</i> Y <i>Figs.:</i> 2.2.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 3.4.1.4-2, 3.4.1.4-3, Y-1 <i>Pages:</i> PH1-1, PH2-16, 17, 24-2, 24-3, 25, 35, 37, 39, PH3-1 to 3, 28, 36, 37, PH4-1, PHX-Y1
7,161,889		2	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 1.5, 1.6, 2.1.6, 2.2.1, 3.2.4, 3.2.7, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.4, 3.4.1.4.1, 4.1.4.1, 4.2.1 <i>Annex:</i> T <i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.4.1.1-1, 4.1.4-1, T-1 <i>Tables:</i> 3.4.1.2.2-1 <i>Pages:</i> PH1-1, 6, 8, PH2-16, 17, 25, PH3-4, 6, 9, 28 to 30, PH4-2 to 5, PHX-T1

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MITSUBISHI ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-RW Specification
6,151,292		7	DVD-RW, Part 1: <i>Secs.:</i> 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.7 <i>Figs.:</i> 3.1.4-1, 3.2-1, 3.2.1-1, 3.2.7-1 <i>Pages:</i> PH3-1 to 3, 9
6,163,522		3	DVD-RW, Part 1: <i>Secs.:</i> 2.1.1, 2.1.6.4, 2.2.6.5, 2.2.7.3, 3.1.1, 3.1.4, 3.2.9, 4.1.1, 4.1.4, 4.1.4.2, 4.2.1, 4.2.2, 4.2.3.1, 4.2.3.2 <i>Figs.:</i> 2.2.7.3-1, 2.2.7.3-3, 3.1.4-1, 4.1.4-1, 4.2.1-1, 4.2.1-3, 4.2.3.2-1 <i>Pages:</i> PH2-1, 16, 34, 37, 38, 40, PH3-1, 12, PH4-1 to 6, 9
6,529,451		12	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.1, 2.1.3.2, 2.2.3.2, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.4.1.1, 3.4.1.2, 3.4.2.2, 4.3.2.1, 4.3.2.2, 4.3.2.2.1.1, 4.3.2.2.2.1, 4.3.2.2.3.1 <i>Figs.:</i> 3.1.4-1, 3.2-1, 3.2.1-1, 3.2.7-1, 3.4.1.1-1, 3.4.1.2-1, 4.3.2.1-1 <i>Tables:</i> 3.4.1.2.2-1, 4.3.2.2.1.1-1, 4.3.2.2.2.1-1, 4.3.2.2.3.1-1 <i>Pages:</i> PH1-1, 2, 11, PH2-1, 4, 28, PH3-1 to 3, 9, 28 to 30, 32, PH4-25, 28 to 30, 39, 40, 44, 45
6,930,965		2	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1, 2.1.3.2, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.9 <i>Figs.:</i> 3.1.4-1, 3.2-1, 3.2.1-1, 3.2.7-1 <i>Pages:</i> PH1-1, 2, 11, PH2-1, 4, PH3-1 to 3, 9, 12

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PANASONIC ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-RW Specification
5,276,674		4	DVD-RW, Part 1: <i>Secs.:</i> 1.2, 2.1.1, 2.1.3.2, 2.1.5.1, 2.1.6.10, 3.2.7, 3.2.9 <i>Figs.:</i> 2.1.1-1, 2.1.5-1, 3.2.7-1, 3.2.9-1 <i>Pages:</i> PH1-2, PH2-1, 4, 13, 14, 16, PH3-9, 12
5,546,427		9	DVD-RW, Part 1: <i>Secs.:</i> 3.2.9, 3.3, 3.3.3 <i>Fig.:</i> 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH3-12, 13, 16, 19
5,808,979		1	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 1.2, 2.1.1, 2.1.3.2, 2.1.7.1, 2.1.7.2 <i>Annex:</i> I.1, I.2 <i>Figs.:</i> 2.1.1-1, 2.1.7.2-1, I.1-1 <i>Pages:</i> PH1-1, 2, PH2-1, 4, 19, 20, 23, PHX-I1, I3
5,850,379	EP 686,968 (DE, FR, GB)	1	DVD-RW, Part 1: <i>Secs.:</i> 3.1.1, 3.1.4, 3.2, 3.2.2, 3.2.6, 3.3.3 <i>Fig.:</i> 3.2-1 <i>Pages:</i> PH3-1 to 3, 8, 16
6,128,388		11	DVD-RW, Part 1: <i>Secs.:</i> 1.6, 2.1.3.2, 2.1.3.3, 2.1.6.13, 2.2.3.2, 3.3.1 <i>Annex:</i> T, X.1, X.4 <i>Fig.:</i> 1.6-1 <i>Pages:</i> PH1-9, PH2-4, 17, 28, PH3-17, PHX-T1, X1
6,144,742		5	DVD-RW, Part 1: <i>Sec.:</i> 2.1.6.5 <i>Annex:</i> X.1 to X.3, X.5.2, X.7 <i>Figs.:</i> 2.1.6-1, X.1-1, X.5-1 <i>Pages:</i> PH2-16, 18, PHX-X1 to X4

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PANASONIC ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-RW Specification
6,285,764		4	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 2.1.3.2, 3.3.3 <i>Annex:</i> X.1, X.4 <i>Tables:</i> 3.3-1, 3.3-2 <i>Pages:</i> PH1-1, PH2-4, PH3-19 to 27, PHX-X1
6,298,138		3	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 2.1.3.2, 2.1.6.3, 2.1.6.5, 2.1.6.10, 3.1.4, 3.2.1, 3.2.2, 3.2.9, 3.3.3, 3.4.1.1, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 4.1.4.1, 4.1.4.2 <i>Annex:</i> X.1 to X.4, X.5.3, X.9.3 <i>Figs.:</i> 3.1.4-1, 3.2.1-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, X.2-1, X.5-1, X.9-1 <i>Tables:</i> 3.3-1, 3.3-2, 3.4.1.4.1-1 <i>Pages:</i> PH1-1, PH2-4, 16, PH3-1 to 3, 12, 19 to 28, 36, 36-3, 36-6, 36-7, PH4-2, PHX-X1, X3, X6, X7
6,600,706		6	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.1, 2.1.3.2, 2.1.6, 3.4.1.1, 3.4.1.4, 3.4.1.4.1, 4.1.4.1, 4.1.4.2, 4.3.1 <i>Annex:</i> X.1 to X.4 <i>Figs.:</i> 2.1.1-1, 3.4.1.1-1, 4.1.4-1, 4.3-1, X.2-1 <i>Tables:</i> 3.3-1, 3.3-2, 3.4.1.4.1-1 <i>Pages:</i> PH1-1, 2, 9, 12, PH2-1, 4, 16, PH3-16, 17, 19 to 28, 36, 36-3, 36-6, PH4-2, 24, PHX-X1
RE 39,771		36	DVD-RW, Part 1: <i>Secs.:</i> 1.6, 2.1.3.2, 3.1.4, 3.2, 3.2.2, 3.2.6 <i>Annex:</i> T <i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.6-1, T-1 <i>Table:</i> 3.2.6-1 <i>Pages:</i> PH1-6, 11, PH2-4, PH3-1 to 3, 8, PHX-T1

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PANASONIC/TOSHIBA ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-RW Specification
5,732,066	TW 84,703	19	DVD-RW, Part 1: <i>Secs.:</i> 2.1.6.5, 2.1.6.10, 3.1.1, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.6, 3.4.1.1 <i>Figs.:</i> 2.1.6-1, 3.2-1, 3.2.1-1, 3.2.6-1, 3.4.1.1-1 <i>Pages:</i> PH2-16, 18, PH3-1 to 3, 8, 28
5,790,569	KR 255,105; TW 89,851	19	DVD-RW, Part 1: <i>Secs.:</i> 3.2.1, 3.2.7, 3.2.8 <i>Figs.:</i> 3.2.7-1, 3.2.8-1 <i>Pages:</i> PH3-2, 9, 11
5,867,475	CA 2,217,005; CN ZL 96194622.9; EP 820,629 (AT, BE, CH, DE, FR, GB, LI, NL) (Lapsed in ES, IT, LU, SE); HK 1,008,610; ID 8,062 (ID 960,933); IN 193,416; SG 46,792; TH 14,818; VN 1,400	25	DVD-RW, Part 1: <i>Secs.:</i> 2.1.3.2, 2.1.6.5, 2.1.6.10, 3.1.1, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.6, 3.3.3, 3.4.1.1 <i>Figs.:</i> 2.1.6-1, 3.2-1, 3.2.1-1, 3.2.6-1, 3.4.1.1-1 <i>Pages:</i> PH2-4, 16, 18, PH3-1 to 3, 8, 19, 28

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PANASONIC/TOSHIBA ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-RW Specification
5,881,037	CA 2,192,062; CN ZL 96190546.8; EP 764,327 (AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE); HK 1,005,837; ID 5,094 (ID 960,868); KR 377,524; MX 211,803; MY 112,830; PH 52,831; SG 36,463; TH 16,120; TW 126,249; VN 1,152	14	DVD-RW, Part 1: <i>Secs.:</i> 3.2, 3.2.9, 3.3, 3.3.1 <i>Figs.:</i> 3.2-1, 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH3-2, 12, 13, 16, 17

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PANASONIC/TOSHIBA ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-RW Specification
5,912,869	AU 708,923; BR PI 9606290-8; CA 2,191,702; CN ZL 96190540.9; EP 763,239 (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, NL, SE); HK 1,004,647; ID 11,625; IN 193,096; KR 377,523; MX 196,771; MY 112,963; NO 318,893; SG 35,867; TW 84,702; VN 1,480	39	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.7.1(b), 3.2.9, 3.2, 3.3 <i>Figs.:</i> 1.6-1, 2.1.7.2-1, 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH1-1, 2, 6, 9, PH2-19, 23, PH3-12, 13, 16
6,182,263	CA 2,190,985; VN 1,269	1	DVD-RW, Part 1: <i>Secs.:</i> 3.2.1, 3.2.7, 3.2.8 <i>Figs.:</i> 3.2.1-1, 3.2.7-1, 3.2.8-1 <i>Pages:</i> PH3-2, 9, 11

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SAMSUNG ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-RW Specification
6,389,570	CN ZL 02140736.3; CN ZL 02140737.1; CN ZL 99109257.0; EP 1,306,846 (DE, FR, GB, NL); HK 1,049,730; HK 1,049,731; KR 382,639	1	DVD-RW, Part 2: <i>Secs.:</i> 1.1, 2.1, 3.1, 3.2, 3.6, 3.6.1, 3.6.2, 3.6.3, 3.8, 3.8.2, 3.9 <i>Annex:</i> B to E, F.3.3, G.3.6 to G.3.8 <i>Fig.:</i> 3.1-1 <i>Tables:</i> 3.2-1, 3.6.1-1, 3.6.2-1, 3.6.3-1, 3.6.3-2, B.3.2-1 <i>Pages:</i> FS1-1, FS2-1, FS3-1 to 4, 14 to 24, 34 to 36, FSX-B1 to B6, C1 to C10, D1, D2, E1 to E5, F29, F30, G39 to G42
7,042,820		17	DVD-RW, Part 1: <i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.2.3.2, 3.2.10, 4.3.2.1, 4.3.2.2, 4.3.2.2.3.5 <i>Figs.:</i> 3.2.10-1, 3.2.10-6, 4.3.2.1-1, 4.3.2.2.3.5-1 <i>Pages:</i> PH1-1, 8, 9, PH2-4, 28, PH3-14, 15, PH4-25, 28, 50, 51
(6,467,061)	CN ZL 02140738.X; EP 1,150,293 (DE, FR, GB, NL); EP 1,249,838 (DE, FR, GB, NL); HK 1,049,732; PH 1-2002-000465; SG 115,483	*	DVD-RW, Part 2: <i>Sec.:</i> 1.1, 3.1, 3.10 <i>Fig.:</i> 3.1-1 <i>Pages:</i> FS-1, FS3-1, 2, 42

* This US patent has been found essential for disc only. However, the counterparts are listed for playback because the playback claim is substantially similar to the essential US disc claim.

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TOSHIBA ESSENTIAL DVD-RW PLAYBACK PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-RW Specification
5,587,991	KR 191,944	6	DVD-RW, Part 1: <i>Secs.:</i> 2.1.3.2, 3.2.9, 3.3.2, 3.3.3 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH2-4, PH3-12, 13, 18, 19
5,708,651		5	DVD-RW, Part 1: <i>Secs.:</i> 1.2, 2.1.1, 2.1.4.2, 2.1.5.1, 2.1.5.3, 2.1.5.5, 2.2.3, 2.2.8, 3.4.1.1, 3.4.1.4 <i>Figs.:</i> 2.1.1-1, 2.1.4-1, 2.1.5-1, 2.1.5-2, 2.2.4.1-1, 3.4.1.1-1, 3.4.1.4-1, 3.4.1.4-2 <i>Table:</i> 3.4.1.4.1-1 <i>Pages:</i> PH1-2, PH2-1, 10, 12 to 15, 28, 32, 41, PH3-28, 36, 36-2, 36-3
5,956,306		4	DVD-RW, Part 1: <i>Secs.:</i> 2.1.3.2, 3.2, 3.2.1, 3.2.2, 3.2.3, 3.2.7, 3.2.8, 3.2.9 <i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.8-1 <i>Pages:</i> PH2-4, PH3-2 to 4, 9, 11, 12
6,182,263		1	DVD-RW, Part 1: <i>Secs.:</i> 3.2.1, 3.2.7, 3.2.8 <i>Figs.:</i> 3.2.1-1, 3.2.7-1 <i>Pages:</i> PH3-2, 9, 11
RE 38,643		5	DVD-RW, Part 1: <i>Sec.:</i> 1.2, 1.6, 2.1.5, 2.1.5.1, 2.1.5.3, 2.1.5.5, 2.1.6, 2.1.7, 2.1.8, 2.2, 2.2.3.2, 2.2.5.1, 2.2.6.4, 2.2.7, 2.2.8, 3.1.1, 3.4.1, 3.4.1.4, 4.1.1 <i>Annex:</i> C.1 <i>Figs.:</i> 2.1.5-1, 2.1.5-2, 2.1.7.2-1, 2.2.1-1, 2.2.4.1-1, 2.2.7.1-1, C.1-1 <i>Pages:</i> PH1-1, 2, 12, PH2-1, 13 to 16, 19, 23, 24-2, 25, 28, 32 to 36, 41, PH3-1, 28, 36, PH4-1, PHX-C1