

## SUMMARY REPORT OF ESSENTIAL DVD-ROM VIDEO RECORDING PATENTS\*

HITACHI ESSENTIAL DVD-ROM VIDEO RECORDING PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-ROM Video Specification
4,985,784		1	DVD-ROM Video, Part 3: <i>Secs.:</i> 1.2, 3.3.1, 3.3.12.6, 5.3, 5.4.1 <i>Annex:</i> K.4 <i>Figs.:</i> 3.3.1-1, 3.3.12.5-1, 5.2.1-1, 5.3-2 <i>Pages:</i> VI1-2, VI3-12, 90, 92, VI5-9, 32, 34, 38, VIX-68

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\* 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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JVC ESSENTIAL DVD-ROM VIDEO RECORDING PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-ROM Video Specification
5,016,010		2	DVD-ROM Video, Part 3: <i>Secs.:</i> 5, 5.4.1, 5.4.1.2 <i>Table:</i> 5-2 <i>Pages:</i> VI5-1, 38, 40

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MITSUBISHI ESSENTIAL DVD-ROM VIDEO RECORDING PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Video Specification
5,268,846	CA 2,061,128; EP 508,925 (DE, FR, GB, IT)	1	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 3.1.4, 3.2.1, 3.2.2, 3.3.1, 3.3.5, 3.3.12, 3.3.12.2, 4.2, 4.2.3, 4.2.9, 4.3.1, 4.3.5, 4.4, 4.5, 5, 5.1, 5.1.1, 5.2.2 <i>Figs.:</i> 3.1.4-1, 3.2.2-1, 3.3.1-1, 3.3.5-1, 3.3.12-1, 4-1, 4.2-1, 4.2.3-1, 4.2.9-1, 4.3.1-1, 4.5-1, 5.1-1, 5.2.2-1 <i>Tables:</i> 4.2.9-2, 4.3.5-1, 4.5-1, 5-1 <i>Pages:</i> VI3-4, 7, 8, 12, 26, 79, 83, VI4-1, 38, 61, 79, 80, 83, 99, 100, 103, 106 to 131, 133 to 152, VI5-1, 3, 5, 11
5,309,290		1	<b>DVD-ROM Video, Part 3:</b> <i>Sec.:</i> 1.2 <i>Tables:</i> 5-2, 5.4.2.3-1 <i>Pages:</i> VI1-2, VI5-1, 53
5,434,716		11	<b>DVD-ROM Video, Part 3:</b> <i>Sec.:</i> 1.2 <i>Tables:</i> 5-2, 5.4.2.3-1 <i>Pages:</i> VI1-2, VI5-1, 53
5,488,418	SG 65,702	1	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 5.2.1, 5.4 <i>Fig.:</i> 5.2.1-2 <i>Table:</i> 5.2.1-1 <i>Pages:</i> VI5-9, 38
5,488,482	EP 554,086 (DE, FR, GB, NL); EP 1,137,280 (DE, FR, GB, NL)	6	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 5.1.1, 5.2.1, 5.4.1 <i>Fig.:</i> 5.4.1-1 <i>Pages:</i> VI5-5, 9, 38

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MITSUBISHI ESSENTIAL DVD-ROM VIDEO RECORDING PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-ROM Video Specification
5,793,432		2	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 5.2, 5.2.1, 5.4, 5.4.1, 5.4.1.2 <i>Figs.:</i> 5.2.1-1, 5.2.1-2, 5.4.1-1 <i>Tables:</i> 5.2.1-1, 5.4.1.2-1 <i>Pages:</i> VI5-9, 10, 38, 40
(6,539,164) <sup>1</sup>	DE 19,539,400; GB 2,294,173	21	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 1.1, 1.2, 2.4.15, 2.4.16, 2.4.20, 2.4.42, 2.4.43, 2.4.49, 2.4.106, 3.3.5, 3.3.5.1, 3.3.6.2, 3.3.9.3, 3.3.12, 4.2.3, 4.3, 4.3.1, 4.3.5, 4.4, 4.4.3, 4.4.3.1, 4.4.3.3, 4.6.1.2, 5, 5.1, 5.2.1, 5.2.2, 5.4.1, 5.4.1.1, 5.4.1.2 <i>Annex:</i> J.1.27 <i>Figs.:</i> 3.3.5-1, 3.3.6.2-1, 3.3.6.2-2, 3.3.12-1, 4.2.3-1, 4.3.1-1, 4.3.5-1, 4.4.3-2, 5.1-1 <i>Tables:</i> 4.3.5-1, 4.6.1.2-1, 5.1-1 <i>Pages:</i> VI1-1, 2, VI2-5, 6, 9, 11, 20, VI3-26, 30, 31, 58, 79, VI4-61, 83, 99, 100, 103, 106, 113, 122 to 129, 156, 157, 161, VI5-1, 3, 9, 11, 38 to 40, VIX-58
6,549,717		1	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 1.1, 1.2, 2.4.106, 4.5, 4.5.1, 5, 5.1, 5.1.1, 5.2.2, 5.2.3, 5.4.1, 5.4.1.1, 5.4.1.2 <i>Annex:</i> N <i>Figs.:</i> 4.5.1-1, 5.1-1, 5.2.2-1 <i>Tables:</i> 4.5-1, 4.5.1-1, 5-1, 5.1-1, 5.1.1-1, 5.1.1-3, 5.2.2-1, 5.2.2-2, 5.2.2-3, N-1 <i>Pages:</i> VI1-1, 2, VI2-20, VI4-133 to 135, VI5-1, 3 to 7, 11 to 14, 38 to 40, VIX-77

<sup>1</sup> U.S. Patent No. 6,539,164 is essential for DVD-ROM Video for disc, but its non-U.S. counterparts (DE 19,539,400 and GB 2,294,173) have claims directed to disc, playback, and recording.

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MITSUBISHI ESSENTIAL DVD-ROM VIDEO RECORDING PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-ROM Video Specification
	EP 558,306 (DE, GB)	EP claim 1	<i>Secs.:</i> 1.1, 1.2, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 4, 4.1, 4.1.1, 4.2, 4.2.1 <i>Figs.:</i> 3.1.1-1, 3.1.4-1, 4-1, 4.1-1, 4.2-1 <i>Tables:</i> 4.1.1-1, 4.2.1-1 <i>Pages:</i> VI1-1, 2, VI3-1, 2, 3, 4, VI4-1, 2, 3, 9, 38, 39, 43, 48

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PANASONIC ESSENTIAL DVD-ROM VIDEO RECORDING PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-ROM Video Specification
5,745,645		1	DVD-ROM Video, Part 3: <i>Secs.:</i> 3.3.1, 5.4.1.2 <i>Annex:</i> K.1, K.1.1 <i>Pages:</i> VI3-12, VI5-40, VIX-64
5,949,956		1	DVD-ROM Video, Part 3: <i>Table:</i> 5.4.1.2-1 <i>Page:</i> VI5-40

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TOSHIBA ESSENTIAL DVD-ROM VIDEO RECORDING PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Video Specification
5,758,007	EP 806,868 (DE, FR, GB); HK 1,014,418; KR 215,626; KR 253,729	2	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 5.1, 5.2.5, 5.4.3, 5.4.3.1, 5.4.3.2, 5.4.3.2(a), 5.4.3.2(b), 5.4.3.3, 5.4.3.3(7) <i>Figs.:</i> 5.1-1, 5.2.5.-1, 5.4.3-1, 5.4.3-2, 5.4.3.2-1 <i>Tables:</i> 5.2.5-1, 5.4.3.1-1, 5.4.3.2-1, 5.4.3.3-1, 5.4.3.3-2 <i>Pages:</i> VI5-3, 28, 29, 66, 68 to 71, 78, 83
5,774,441	EP 676,895 (DE, FR, GB)	6	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 3.3.1, 3.3.12.2, 5.1.1, 5.2.1 <i>Annex:</i> K.2.2 <i>Fig.:</i> 5.1-1 <i>Pages:</i> VI3-12, 83, VI5-3, 5, 9, VIX-65
5,845,021	EP 720,347 (DE, FR, GB) (Lapsed in AT, BE, CH, DK, ES, GR, IE, IT, LI, LU, NL, SE); HK 1,014,416; KR 227,932; NO 314,377; PH 1-1998-002080; RU 2,158,487	1	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 5.4.3.1, 5.4.3.2, 5.4.3.2(a) <i>Table:</i> 5.4.3.2-1 <i>Pages:</i> VI5-68, 70
6,895,171		1	<b>DVD-ROM Video, Part 3:</b> <i>Secs.:</i> 1.1, 2.4.69, 2.4.71, 3.1.4, 3.2.1, 3.2.2, 3.3.7.1, 3.3.8.4, 4, 4.2, 4.2.3, 4.3.1, 4.3.2, 4.3.2(6), 4.3.5 <i>Annex:</i> J.1.8, J.1.10 <i>Figs.:</i> 3.1.4-1, 3.2.1-1, 3.2.2-1, 3.3.7.1-1, 4-1, 4.2-1, 4.2.3-1, 4.3.1-1, 4.3.5-1 <i>Tables:</i> 4.2.3-1, 4.3.2-1, 4.3.5-1 <i>Pages:</i> VI1-1, VI2-14, VI3-4, 7, 8, 38, 39, 49, VI4-1, 38, 61, 62, 83, 84, 92, 93, 99, 100, VIX-54

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TOSHIBA ESSENTIAL DVD-ROM VIDEO RECORDING PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) - (U.S.)	DVD-ROM Video Specification
7,203,414		1	DVD-ROM Video, Part 3: <i>Secs.:</i> 1.1, 2.4.15, 2.4.69, 2.4.71, 3.1.4, 3.2.1, 3.2.2, 3.3.7.1, 3.3.8.4, 4, 4.2, 4.2.3, 4.3.1, 4.3.2, 4.3.2(6), 4.3.4, 4.3.5, 5.1, 5.1.1 <i>Annex:</i> J.1.8 <i>Figs.:</i> 3.1.4-1, 3.2.1-1, 3.2.2-1, 3.3.7.1-1, 4-1, 4.2-1, 4.2.3-1, 4.3.1-1, 4.3.4-1, 4.3.5-1, 5.1-1 <i>Tables:</i> 4.2.3-2, 4.3.2-1, 4.3.5-1 <i>Pages:</i> VI1-1, VI2-5, 14, VI3-4, 7, 8, 38, 39, 49, VI4-1, 38, 61, 62, 83, 84, 92, 93, 99, 100, VI5-3, 5 VIX-54