

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS\*

HITACHI ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
4,682,332	EP 150,811 (DE, FR, GB, NL)	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 3.2.1, 3.2.3, 3.2.5 <i>Figs.:</i> 3.2-1, 3.2.1-1 <i>Pages:</i> PH-40, 42, 45
5,333,126	DE 4304267 C2	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 3.2.9, 3.3.2 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-50, 51, 53
5,583,840		5	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 2.3.2, 2.5.7 <i>Annex:</i> D.2 <i>Fig.:</i> 2.7.2-1 <i>Pages:</i> PH-1, 2, 12, 21, 33, PHX-4
5,586,108		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 3.2, 3.2.1, 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> PH-40, 47, 49, 50
5,768,298		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.1, 3.2, 3.2.1, 3.2.7, 3.2.8 <i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.8-1 <i>Pages:</i> PH-9, 40, 47, 49

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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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HITACHI ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,871,881		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.1, 2.5.1, 2.5.2 <i>Figs.:</i> 2.1-1, 2.4-1, 2.5-2 <i>Pages:</i> PH-9, 20, 21, 23
5,906,907		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.1, 2.3.8 <i>Figs.:</i> 2.1-1, 2.4-1 <i>Pages:</i> PH-9, 14, 20
5,966,721	MY 114,717	1, 15	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 3, 3.1.2, 3.1.3, 3.1.4, 3.2.1, 3.2.2, 3.2.9, 3.4.1.3.1 (BP 2, BP 4 to 15) <i>Figs.:</i> 3.1.4-1, 3.1.4-1(b), 3.2.1-1, 3.2.9-1 <i>Pages:</i> PH-37 to 41, 50, 68, 69
5,974,581	CN ZL 96105518.9	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.9 <i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-1, 40, 41, 47, 50, 51
5,983,387	KR 239,236	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.1, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.8, 3.2.9 <i>Figs.:</i> 2.1-1, 3.2.1-1, 3.2.7-1, 3.2.8-1, 3.2.9-1 <i>Pages:</i> PH-1, 9, 40, 41, 47, 49, 50
6,076,135		4	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 2.1, 3, 3.1.4, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Figs.:</i> 2.1-1, 3.1.4-1(b), 3.4.1.1-1, 3.4.1.3-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 9, 37 to 39, 64, 66, 68, 69
6,076,184	KR 239,238	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.1, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.8, 3.2.9 <i>Figs.:</i> 2.1-1, 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.8-1, 3.2.9-1 <i>Pages:</i> PH-1, 9, 40, 41, 47, 49, 50

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HITACHI ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
6,154,806		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 2.1, 3, 3.1.4, 3.1.4.1, 3.2, 3.2.1, 3.2.2, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Figs.:</i> 2.1-1, 3.1.4-1(b), 3.2.1-1, 3.4.1.1-1, 3.4.1.3-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 9, 37 to 42, 64, 66, 68, 69
6,314,542		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.1, 3.1.4, 3.2, 3.2.2, 3.2.7, 3.2.9 <i>Annex:</i> L <i>Figs.:</i> 2.1-1, 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.8-1, 3.2.9-1, L-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-1, 9, 37, 40 to 42, 47, 50, 51, PHX-22
6,347,353	MY 125,491	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 2.1, 3, 3.1.4, 3.1.4.1, 3.2, 3.2.1, 3.2.2, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Figs.:</i> 2.1-1, 3.1.4-1(b), 3.2.1-1, 3.4.1.1-1, 3.4.1.3-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 9, 37 to 42, 64, 66, 68, 69
6,573,025		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 2.1, 2.3.2, 2.3.8(a) <i>Fig.:</i> 2.1-1 <i>Pages:</i> PH-1, 2, 9, 12, 14

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JVC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,014,274	EP 337,702 (DE, FR, GB, NL); HK 1,000,543; KR 59,670	1	DVD-ROM, Part 1: <i>Sec.:</i> 3.2.6 <i>Fig.:</i> 3.2.6-1 <i>Page:</i> PH-46
5,617,408	KR 181,707; TW 78,273	3	DVD-ROM, Part 1: <i>Sec.:</i> 3.2.2 <i>Annex:</i> K.1 to K.3 <i>Figs.:</i> K.2-1, K.9-1 <i>Pages:</i> PH-41, PHX-16, 21
5,862,115		4	DVD-ROM, Part 1: <i>Secs.:</i> 2.1, 3.1.1, 3.2.6 <i>Fig.:</i> 3.2.6-1 <i>Table:</i> 3.2.6-1 <i>Pages:</i> PH-9, 37, 46

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MITSUBISHI ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
4,703,494		1, 12, 21	<b>DVD-ROM, Part 1:</b> <i>Sec.:</i> 3.2.9 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-50, 51
5,255,262	CA 2,066,004; CN ZL 93121218.9; EP 517,490 (DE, FR, GB, IT, NL); KR 121,206; TW 64,694	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.2, 1.5.1, 1.5.16, 2.1, 2.5.1, 2.5.2, 2.5.3, 2.5.4 <i>Figs.:</i> 2.1-1, 2.4-1, 2.5-2 <i>Pages:</i> PH-2, 5, 6, 9, 20, 21, 23
5,410,530	CN ZL 95101435.8; EP 773,542 (DE, FR, IT, NL) (Lapsed in GB); HK 1,008,705; KR 124,430	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.5.2, 3.4.1.3.1 <i>Pages:</i> PH-1, 21, 68
5,586,107	CA 2,271,541; CN ZL 95101437.4	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.5.1, 1.5.16, 1.5.18, 2.1, 2.5.2 to 2.5.4, 2.5.6, 2.5.7, 2.6.4, 3.1.1, 3.4.1.1, 3.4.1.3 <i>Figs.:</i> 2.5-2, 2.6-2 <i>Pages:</i> PH-1, 5, 6, 9, 21, 23, 25, 28, 37, 64, 68
5,598,398	CN ZL 98126571.5; KR 126,372	10	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.5.2, 3.4.1.3.1 <i>Pages:</i> PH-1, 21, 68
5,610,901		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.5.16, 1.5.18, 2.1, 2.5.2, 2.6.4, 3.4.1.3.1 <i>Fig.:</i> 2.6-2 <i>Pages:</i> PH-1, 6, 9, 21, 25, 28, 68

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MITSUBISHI ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,625,609		10	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.5.16, 2.1, 2.5.1 to 2.5.4, 2.5.7 <i>Pages:</i> PH-6, 9, 21
5,745,473		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.5.16, 1.5.18, 2.1, 2.5.2, 2.6.4, 3.2.2 <i>Pages:</i> PH-1, 6, 9, 21, 25, 41
5,905,700	CN ZL 00128536.X	17	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.5.18, 2.5.2, 2.6.4, 3.2.2 <i>Pages:</i> PH-1, 6, 21, 25, 41
6,151,292		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 2.1, 3.1.1, 3.1.3, 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 <i>Pages:</i> PH-1, 2, 9, 37 to 41, 47, 50
6,529,451		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.15, 2.1, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.9, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Figs.:</i> 3.1.4-1, 3.2-1, 3.2.1-1, 3.2.7-1, 3.4.1.1-1, 3.4.1.3-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 37 to 41, 47, 50, 64, 66, 67, 68
6,930,965		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.15, 2.1, 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> PH-1, 2, 6, 9, 37 to 41, 47, 50

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PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
4,425,637		1	DVD-ROM, Part 1: Secs.: 1.2, 1.5.8, 2.1, 2.6.1, 2.7.1(c) Pages: 2, 5, 9, 25, 29
4,728,929		1	DVD-ROM, Part 1: Secs.: 3.2.9, 3.3, 3.3.1, 3.3.2 Fig.: 3.2.9-1 Tables: 3.2.9-1, 3.3-1, 3.3-2 Pages: PH-50 to 52-2, 53 to 62
5,148,421 <sup>1</sup>		4	DVD-ROM, Part 1: Secs.: 2.4.7, 2.5.2, 3, 3.1.2 Figs.: 2.4-1, 2.5-2, 2.6-2 Pages: PH-19 to 21, 23, 28, 37
RE 37,185		15	DVD-ROM, Part 1: Secs.: 1.1, 1.2, 1.5.18, 2.1, 2.4.7, 2.4.8, 2.4.11, 2.5.1, 2.5.2, 2.5.7, 3.1.1 Annex: A, M, N Figs.: 2.1-1, 2.4-1, 2.5-2, A-1, M-1, N.1-1 Pages: PH-1, 2, 6, 9, 19 to 21, 23, 27, 37, PHX-1, 23 to 25
5,276,674		1	DVD-ROM, Part 1: Secs.: 1.2, 1.5.18, 2.1, 2.5.1, 2.5.4, 2.6.3, 2.6.13, 3.1.1, 3.2.7, 3.2.8, 3.2.9 Figs.: 2.1-1, 2.5-1, 2.5-2, 3.2.7-1, 3.2.9-1 Pages: PH-2, 6, 9, 21 to 23, 25, 26, 37, 47 to 50

<sup>1</sup> U.S. Patent No. 5,148,421 was surrendered on 22 May 2001 in favor of essential U.S. Reissue No. RE 37,185 (listed immediately following U.S. Patent No. 5,148,421).

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PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,331,620		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.1, 3, 3.2, 3.2.9, 3.3, 3.3.1, 3.3.2 <i>Figs.:</i> 2.1-1, 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-1, 9, 37, 40, 50 to 52-3
5,428,597		12	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.1, 2.5.2, 3.1.1, 3.1.2, 3.1.4, 3.2.2 <i>Figs.:</i> 2.1-1, 2.4-1, 2.5-2 <i>Pages:</i> PH-9, 20, 23, 37, 41
5,546,427		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.5.8, 3.2.9, 3.3, 3.3.2 <i>Figs.:</i> 1.5.8-1, 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-5, 50 to 52-1, 53
5,582,891		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.1, 1.5.18, 2.6.13 <i>Annex:</i> K.1 <i>Pages:</i> PH-6, 9, 26, PHX-16
5,726,969	EP 720,159 (DE, FR, GB)	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.1, 2.5.1, 2.5.2, 2.5.7 <i>Figs.:</i> 2.1-1, 2.4-1, 2.5-1, 2.5-2 <i>Pages:</i> PH-9, 21, 23
5,777,969	CN ZL 00120048.8	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.1, 2.3.2, 2.5.1, 2.5.2, 2.5.7, 3.1.1, 3.1.2 <i>Annex:</i> D <i>Figs.:</i> 2.1-1, 2.4-1, 2.5-2 <i>Pages:</i> PH-9, 12, 20, 21, 23, 37, PHX-4



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PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,790,487	EP 686,968 (DE, FR, GB); KR 254,155	13	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 3.2.2, 3.2.6, 3.3.1 <i>Figs.:</i> 3.2-1, 3.2.6-1 <i>Table:</i> 3.2.6-1 <i>Pages:</i> PH-39, 40, 54
5,808,979		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 2.1, 2.3.2, 2.7.1, 2.7.2 <i>Annex:</i> 1.1, 1.2 <i>Figs.:</i> 2.1-1, 2.7.2-1, 1.1-1 <i>Pages:</i> PH-1, 2, 9, 12, 29, 30, 33, PHX-11-1, 12-1
5,870,374		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.1, 2.4.7, 2.5.1, 2.5.2 <i>Annex:</i> A <i>Figs.:</i> 2.1-1, 2.5-2 <i>Pages:</i> PH-12, 19, 21, 23, PHX-1
5,881,032	EP 856,186 (DE, FR, GB); HK 1,015,516; ID 6,397; KR 305,562; MX 209,999; MY 113,528; SG 52,060; TH 10,539; TW 90,129; VN 1,253	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 3, 3.1.1, 3.1.4 <i>Figs.:</i> 2.6-2(B), 3.1.4-1 <i>Pages:</i> PH-28, 37 to 39
5,898,394		23	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.15, 2.1, 3.1.4, 3.2, 3.2.6 <i>Figs.:</i> 2.1-1, 3.2-1, 3.2.6-1 <i>Table:</i> 3.2.6-1 <i>Pages:</i> PH-1, 2, 6, 9, 37, 40, 46

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PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
6,031,813		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 2.1, 2.4, 2.5, 2.5.1, 2.5.2, 2.5.7 <i>Figs.:</i> 2.1-1, 2.4-1, 2.5-2 <i>Pages:</i> PH-1, 2, 9, 20, 21, 23
6,052,465	CN ZL 96191826.8; EP 807,929 (DE, FR, GB)	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.6, 3, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.3 <i>Figs.:</i> 2.1-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 25, 37, 64, 66, 69, PHX-16
6,128,388		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.1, 2.6.6, 3 <i>Annex:</i> K.1 to K.4, K.9.2 <i>Fig.:</i> 2.1-1 <i>Pages:</i> PH-1, 9, 25, 37, PHX-16, 21
6,144,742		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.1, 2.6.6, 3 <i>Annex:</i> K.1 to K.3, K.5.1 to K.5.3, K.7 <i>Figs.:</i> 2.1-1, K.2-1, K.5-1 <i>Pages:</i> PH-1, 9, 25, 37, PHX-16, 17, 19
6,160,888		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.6, 3, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.3 <i>Figs.:</i> 2.1-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 25, 37, 64, 66, 69, PHX-16

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PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
6,175,629		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.6, 3, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.3 <i>Figs.:</i> 2.1-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 25, 37, 64, 66, 69, PHX-16
6,208,736		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.4, 2.6, 3, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.3 <i>Figs.:</i> 2.1-1, 2.4-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 20, 25, 37, 64, 66, 69, PHX-16
6,229,896	EP 1,005,034 (DE, FR, GB)	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.6, 3, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.3 <i>Figs.:</i> 2.1-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH1, 2, 6, 9, 25, 37, 64, 66, 69, PHX-16
6,278,671		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.6, 3, 3.2, 3.2.1, 3.2.2, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.4 <i>Figs.:</i> 2.1-1, 3.2-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 25, 37, 40, 41, 64, 66, 69, PHX-16
6,285,764		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.6, 3, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.5, K.9 <i>Figs.:</i> 2.1-1, 3.4.1.1-1, K.2-1, K.5-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 25, 37, 64, 66, 69, PHX-16, 17, 21

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PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
6,298,138		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.6, 3, 3.2, 3.2.1, 3.2.2, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.5, K.9 <i>Figs.:</i> 2.1-1, 3.2-1, 3.4.1.1-1, K.2-1, K.5-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 25, 37, 40, 41, 64, 66, 69, PHX-16, 17, 21
6,600,706		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.6, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.4 <i>Figs.:</i> 2.1-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 25, 26, 64, 66, 69, PHX-16
6,862,685		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.1, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.3 <i>Figs.:</i> 2.1-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 9, 64, 66, 69, PHX-16
6,885,629		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 3, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.4, K.10 <i>Figs.:</i> 3.4.1.1-1, 3.4.1.3-1, K.2-1 <i>Tables:</i> 3.4.1.3.1-1, K.10-2 <i>Pages:</i> PH-1, 37, 64, 66, 69, PHX-16, 21-2
7,103,781		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.1, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1 to K.3 <i>Figs.:</i> 2.1-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 9, 64, 66, 69, PHX-16

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PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
7,110,544		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.17, 1.5.19, 2.1, 2.6, 3.2, 3.2.1, 3.2.2, 3.4.1.1, 3.4.1.3, 3.4.1.3.1, 3.4.1.5 <i>Annex:</i> K.1 to K.3 <i>Figs.:</i> 2.1-1, 3.2.1-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 25, 26, 40, 41, 64, 66, 69, 70, PHX-16
7,520,001		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.2, 1.5.16, 1.5.17, 1.5.18, 1.5.19, 2.1, 2.5.7, 2.6, 3.1.1, 3.1.3, 3.1.4, 3.4.1.1, 3.4.1.3, 3.4.1.3.1 <i>Annex:</i> K.1, K.2, K.3 <i>Figs.:</i> 2.1-1, 2.4-1, 3.4.1.1-1, K.2-1 <i>Table:</i> 3.4.1.3.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 20, 21, 25, 26, 37, 64, 66, 69, PHX-16
RE 37,801		6	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.5.1, 3.2.9, 3.3 <i>Figs.:</i> 2.7.2-1, 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-1, 5, 33, 50 to 52-1
RE 39,297	CN ZL 95191218.6; MX 191,185	28	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 3, 3.1.1, 3.1.4 <i>Annex:</i> K, K.1, K.2, K.3 <i>Figs.:</i> 2.4-1, 3.1.4-1, K.2-1 <i>Pages:</i> PH-1, 20, 37, 39, PHX-16
RE 39,653		28	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 3, 3.1.1, 3.1.4 <i>Annex:</i> K, K.1, K.2, K.3 <i>Figs.:</i> 2.4-1, 3.1.4-1, K.2-1 <i>Pages:</i> PH-1, 20, 37, 39, PHX-16

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PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
RE 39,771		23	<b>DVD-ROM, Part 1</b> <i>Secs.:</i> 1.5.15, 3, 3.1.4, 3.2, 3.2.2, 3.2.6 <i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.6-1 <i>Table:</i> 3.2.6-1 <i>Pages:</i> PH-6, 37, 40, 41, 46
RE 39,832		6	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.5.1, 3.2.9, 3.3 <i>Figs.:</i> 2.7.2-1, 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-1, 5, 33, 50 to 52-1
RE 40,687		28	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.5.16, 1.5.18, 2.1, 3, 3.1.1, 3.1.4 <i>Annex:</i> K, K.1, K.2, K.3 <i>Figs.:</i> 2.1-1, 2.4-1, 3.1.4-1, K.2-1 <i>Pages:</i> PH-1, PH-6, PH-9, PH-20, PH-37, PH-39, PHX-16
RE 41,041		28	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 3, 3.1.1, 3.1.3, 3.1.4 <i>Annex:</i> K, K.1, K.2, K.3 <i>Figs.:</i> 2.4-1, 3.1.4-1, K.2-1 <i>Pages:</i> PH-1, PH-20, PH-37, PH-39, PHX-16

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PANASONIC/TOSHIBA ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,732,066	SG 46,792; TW 84,703	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.6.3, 2.6.6, 3.1.1, 3.2.6 <i>Figs.:</i> 3.2.6-1, 3.2.9 <i>Table:</i> 3.2.6-1 <i>Pages:</i> PH-25, 37, 46, 50
5,790,569	CA 2,190,985; CN ZL 96190326.0; ID 9,088; KR 255,105; MX 220,385; MY 116,511; PH 1-1996-52859; SG 37,784; TH 17,839; TW 89,851; VN 1,269	17	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.4.6, 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> PH-4, 40, 47 to 49

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PANASONIC/TOSHIBA ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
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); KR 378,646; MX 200,127; MY 112,506; PH 1-1996-52834; TH 14,818; VN 1,400	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.5.15, 1.5.18, 2.1, 2.6.3, 2.6.6, 3, 3.1.1, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.6, 3.2.9 <i>Figs.:</i> 2.1-1, 3.2-1, 3.2.1-1, 3.2.6-1 <i>Table:</i> 3.2.6-1 <i>Pages:</i> PH-1, 6, 9, 25, 37, 40, 41, 46, 50
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; VN1,152	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 1.5.15, 1.5.17, 2.1, 3, 3.2, 3.2.9, 3.3, 3.3.1 <i>Figs.:</i> 2.1-1, 3.2-1, 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-1, 6, 9, 37, 40, 50 to 52-2



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PANASONIC/TOSHIBA ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM 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; KR 377,523; MX 196,771; MY 112,963; NO 318,893; RU 2,159,966; SG 35,867; TW 84,702; VN 1,480	1	DVD-ROM, Part 1: <i>Secs.:</i> 1.5.1, 1.5.8, 3.2.9, 3.3 <i>Figs.:</i> 1.5.8-1, 3.2.9-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-5, 50 to 52-1
5,978,958	AU 706,245; CN ZL 96190566.2; KR 402,373; MX 205,657; MY 116,510; NO 322,734; PH 52,832; RU 2,154,897; SG 39,108	5	DVD-ROM, Part 1: <i>Secs.:</i> 1.1, 1.2, 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, 3.2.2-1, 3.2.7-1, 3.2.8-1, 3.2.9-1 <i>Pages:</i> PH-1, 2, 40, 41, 47, 49, 50

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PANASONIC/TOSHIBA ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
6,397,366		1	DVD-ROM, Part 1: <i>Secs.:</i> 1.1, 1.2, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.8, 3.2.9 <i>Annex:</i> L <i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.2-1, 3.2.7-1, 3.2.8-1, 3.2.9-1, L-1 <i>Pages:</i> PH-1, 2, 40, 41, 47, 49, 50, PHX-22

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PANASONIC/TOSHIBA/HITACHI ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,917,857	EP 867,073 (DE, FR, GB, NL) ; SG 53,834; TH 10,783; TW 120,563; VN 1,885	3	DVD-ROM, Part 1: <i>Secs.:</i> 3.3, 3.3.1, 3.3.2, 3.3.3 <i>Figs.:</i> 3.3-1, 3.3-2 <i>Tables:</i> 3.3-1, 3.3-2 <i>Pages:</i> PH-52-1, 52-2, 53, 55 to 62

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SANYO ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,477,527		1	DVD-ROM, Part 1: <i>Secs.:</i> 1.1, 1.2, 2.1, 2.3.2, 2.5.1, 2.6.13, 2.7.1, 3.1.2 <i>Pages:</i> PH-1, 2, 9, 12, 21, 23, 26, 29, 37
5,838,657		1	DVD-ROM, Part 1: <i>Secs.:</i> 1.1, 1.2, 2.1, 2.3.2, 2.5.1, 2.5.4, 2.7.1 <i>Fig.:</i> 2.5.1-1 <i>Pages:</i> PH-1, 2, 9, 12, 21, 23, 29
5,896,367		1	DVD-ROM, Part 1: <i>Secs.:</i> 1.1, 1.2, 2.1, 2.3.2, 2.5.1, 2.5.4, 2.7.1, 3.1.2 <i>Pages:</i> PH-1, 2, 9, 12, 21, 23, 29, 37

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TOSHIBA ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,459,712	EP 664,541 (DE, FR, GB); KR 135,222	1	DVD-ROM, Part 1: Secs.: 1.2, 2.6.13, 2.7(a), 2.7(b) Pages: PH-2, 26, 29
5,587,991	KR 191,944	1	DVD-ROM, Part 1: Secs.: 3.2.9, 3.3.2 Table: 3.2.9-1 Pages: PH-50, 51, 53
5,696,756	CA 2,191,588; KR 253,618; PH 1-1996-52858; VN 1,373	1	DVD-ROM, Part 1: Secs.: 1.2, 3.3, 3.4.1.2 Pages: PH-2, 52-1, 65
5,708,651		1	DVD-ROM, Part 1: Secs.: 1.2, 2.1, 2.5.1, 2.5.5, 2.6.13, 3.1.1 Figs.: 2.1-1, 2.4-1, 2.5-1, 2.5-3 Pages: PH-2, 9, 21, 22, 24, 26, 37
5,777,981		21	DVD-ROM, Part 1: Secs.: 1.2, 2.1, 2.6.13, 2.7.1 Fig.: 2.7.2-1 Pages: PH-2, 9, 12, 26, 29, 33
5,831,966		1	DVD-ROM, Part 1: Secs.: 1.1, 2.1, 3.2.2, 3.4.1.3 (BP2) Pages: PH-1, 9, 41, 68
5,858,498		14	DVD-ROM, Part 1: Secs.: 2.1, 2.4.2, 2.4.5, 2.4.7, 2.5.1 Figs.: 2.1-1, 2.4-1, 2.5-1 Pages: PH-9, 19 to 22

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TOSHIBA ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
5,892,751	EP 805,449 (DE, FR, GB); PH 1-1998-02297	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.2, 3, 3.3, 3.4.1.2 <i>Fig.:</i> 3.1.4-1 <i>Pages:</i> PH-2, 37, 39, 52-1, 65
5,930,227		15	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.1, 3, 3.1.1, 3.3, 3.4.1.2 <i>Fig.:</i> 2.7.2-1 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-9, 33, 37, 51, 52-1, 65
5,956,306		4	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.3.2, 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, 3.2.9-1 <i>Pages:</i> PH-1, 12, 40 to 42, 47 to 50
5,959,963 <sup>2/</sup> RE 38,643		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.2, 1.5.16, 1.5.18, 1.5.19, 2.1, 2.3.2, 2.5, 2.5.1, 2.5.5, 2.5.7, 2.6.13, 3.1.1, 3.2 <i>Annex:</i> D.1 <i>Figs.:</i> 2.1-1, 2.5-1, 2.5-2, 2.5-3, D.1-1 <i>Pages:</i> PH-2, 6, 9, 12, 21 to 24, 26, 37, 40, PHX-4
6,083,598	CN ZL 96123296.X	1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.1, 2.1, 2.4.2, 2.4.4, 2.4.5, 2.4.7, 2.5, 2.5.1, 2.5.2 <i>Annex:</i> A <i>Figs.:</i> 2.1-1, 2.5-2, A-1 <i>Pages:</i> PH-1, 9, 19, 21, 23, PHX-1

<sup>2</sup> U.S. Patent No. 5,959,963 was surrendered on 2 November 2004 in favor of essential U.S. Reissue Patent RE 38,643.