

## 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

\* 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.

## 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
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		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

## 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
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		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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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	<b>DVD-ROM, Part 1:</b> <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	<b>DVD-ROM, Part 1:</b> <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	<b>DVD-ROM, Part 1:</b> <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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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	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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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		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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 1.2, 1.5.8, 2.1, 2.6.1, 2.7.1(c) <i>Pages:</i> 2, 5, 9, 25, 29
4,728,929		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 3.2.9, 3.3, 3.3.1, 3.3.2 <i>Fig.:</i> 3.2.9-1 <i>Tables:</i> 3.2.9-1, 3.3-1, 3.3-2 <i>Pages:</i> PH-50 to 52-2, 53 to 62
5,148,421 <sup>1</sup>		4	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 2.4.7, 2.5.2, 3, 3.1.2 <i>Figs.:</i> 2.4-1, 2.5-2, 2.6-2 <i>Pages:</i> PH-19 to 21, 23, 28, 37
RE 37,185		15	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 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 <i>Annex:</i> A, M, N <i>Figs.:</i> 2.1-1, 2.4-1, 2.5-2, A-1, M-1, N.1-1 <i>Pages:</i> PH-1, 2, 6, 9, 19 to 21, 23, 27, 37, PHX-1, 23 to 25
5,276,674		1	<b>DVD-ROM, Part 1:</b> <i>Secs.:</i> 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 <i>Figs.:</i> 2.1-1, 2.5-1, 2.5-2, 3.2.7-1, 3.2.9-1 <i>Pages:</i> 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).

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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		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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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
5,870,374		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); KR 305,562; MX 209,999; MY 113,528; SG 52,060; TW 90,129	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
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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
6,052,465		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
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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
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
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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

PANASONIC ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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
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 39,832		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
	MX 191,185	MX claim 12	<b>DVD-ROM, Part 1:</b> <i>Sec.:</i> 2.1 <i>Annex:</i> K.1 <i>Figs.:</i> 2.1-1, 2.4-1 <i>Pages:</i> PH-9, 20, PHX-16

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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; KR 255,105; 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
5,867,475	CA 2,217,005; 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); 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; 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); MX 211,803; MY 112,830; PH 52,831; SG 36,463; 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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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; EP 763,239 (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, NL, SE); HK 1,004,647; KR 377,523; MX 196,771; MY 112,963; RU 2,159,966; SG 35,867; TW 84,702; VN 1,480	1	<b>DVD-ROM, Part 1:</b> <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
5,917,857	EP 867,073 (DE, FR, GB, NL)	3	<b>DVD-ROM, Part 1:</b> <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
5,978,958	AU 706,245; CN ZL 96190566.2; MX 205,657; PH 52,832; RU 2,154,897; SG 39,108	5	<b>DVD-ROM, Part 1:</b> <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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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	<b>DVD-ROM, Part 1:</b> <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	<b>DVD-ROM, Part 1:</b> <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	<b>DVD-ROM, Part 1:</b> <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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

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: <i>Secs.:</i> 1.2, 2.6.13, 2.7(a), 2.7(b) <i>Pages:</i> PH-2, 26, 29
5,587,991	KR 191,944	1	DVD-ROM, Part 1: <i>Secs.:</i> 3.2.9, 3.3.2 <i>Table:</i> 3.2.9-1 <i>Pages:</i> PH-50, 51, 53
5,696,756	CA 2,191,588; KR 253,618; VN 1,373	1	DVD-ROM, Part 1: <i>Secs.:</i> 1.2, 3.3, 3.4.1.2 <i>Pages:</i> PH-2, 52-1, 65
5,708,651		1	DVD-ROM, Part 1: <i>Secs.:</i> 1.2, 2.1, 2.5.1, 2.5.5, 2.6.13, 3.1.1 <i>Figs.:</i> 2.1-1, 2.4-1, 2.5-1, 2.5-3 <i>Pages:</i> PH-2, 9, 21, 22, 24, 26, 37
5,777,981		21	DVD-ROM, Part 1: <i>Secs.:</i> 1.2, 2.1, 2.6.13, 2.7.1 <i>Fig.:</i> 2.7.2-1 <i>Pages:</i> PH-2, 9, 12, 26, 29, 33
5,831,966		1	DVD-ROM, Part 1: <i>Secs.:</i> 1.1, 2.1, 3.2.2, 3.4.1.3 (BP2) <i>Pages:</i> PH-1, 9, 41, 68
5,858,498		14	DVD-ROM, Part 1: <i>Secs.:</i> 2.1, 2.4.2, 2.4.5, 2.4.7, 2.5.1 <i>Figs.:</i> 2.1-1, 2.4-1, 2.5-1 <i>Pages:</i> PH-9, 19 to 22
5,892,751	EP 805,449 (DE, FR, GB)	1	DVD-ROM, Part 1: <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

## SUMMARY REPORT OF ESSENTIAL DVD-ROM DISC PATENTS

TOSHIBA ESSENTIAL DVD-ROM DISC PATENTS			
U.S. Patent Number	Reported Counterpart(s)	Representative Claim(s) – (U.S.)	DVD-ROM Specification
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		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.