

**Summary Report of
Essential DVD Read-Only Disc Patents (Japan)**

Hitachi, Ltd.

Essential DVD Read-Only Disc Patents (Japan)

Japanese Patent No.	Claim	Reference to DVD Specification
2,600,638	1	Part 1 Annex K, K.1, K.4 (Page PHX-16)
2,856,072	1	Part 1 3.2.7 Fig.3.2.7-1 3.2.8 Fig.3.2.8-1 (Pages PH-47,49)
2,871,534	1	Part 1 3.1.4 Fig.3.1.4-1 3.4.1.1 Fig. 3.4.1.1-1 3.4.1.3.1 Fig. 3.4.1.3.1-1 (BP2) Fig.3.4.1.3.1-2 (Pages PH-64 66,68,69)
2,882,302	1	Part 1 3.2.1 Fig.3.2.1-1 3.2.7, 3.2.8, 3.2.9 Fig. 3.2.9-1 Table 3.2.9-1 Fig. 3.4.1.3.1-1 (Pages PH-40 47,49,50, 51)
3,107,247	1	DVD-ROM PH-51, 52, 53 Table 5.2.9-1 3.3.2 PHX-13, J-1
3,191,376	1	DVD-ROM PH-51-53. 61

3,191,763	1	DVD-ROM, PH-51-53, 61
3,329,979	1	DVD-Video, VI4-77, 79, 133, 144, 145
3,381,627	1	DVD-ROM PH-39, 41, 68, 69
3,381,628	1	DVD-ROM, PH-50, 51 Fig.3.2.1-1 Fig.3.2.4-1
3,381,720	3	DVD-ROM PH-39, 41, 68, 69
3,384,325	1	DVD-ROM, PH-40, 47, 49

Panasonic Corporation
Essential DVD Read-Only Disc Patents (Japan)

Japanese Patent No.	Claim	Reference to DVD Specification
1,459,657	1	Part 1 2.7.1 (Page PH-21) Commercially Essential
2,026,348	1	Part 1 3.3, 3.3.1, 3.3.2 Table 3.3-1, 3.3-2 (Page PH-52, 53, 55-62)
2,026,622	1	Part 3 5.4.1 (Page VI5-38) Commercially Essential
2,503,300	1	Part 1 3.2.2 (Page PH-41)
2,507,199	1	Part 3 5.4.1 (Page VL5-38) Commercially Essential
2,523,876	1	Part 3 5.4.1 (Page VI5-38) Commercially Essential
2,558,996	1	DVD-Video Commercially Essential
2,616,596	2	Part 1 2.4.7 Figs.2.4-1, 2.5-1, 2.5-2 (Pages PH-19, 20, 21, 23)
2,630,140	1	Part 3 1.2 5.1.1 5.2.1-2, 5.4.1-1 Fig.5.2, 1-2, 5.4.1-1 (Pages VI 1-2, VI5-5, 9, 38)
2,638,248	5	Part 1, 2.5, 3.2.7, 3.2.9 Fig. 2.5-1, 3.2.7-1, and 3.2.9-1 (Pages PH-21, 47-50)

2,650,538	3	Part 3 3.3.12.1, Fig.3.3.12.1-2 3.3.12.2, Fig.3.3.12.2-2 4.5.2, Table 4.5.2.-1 (Pages VI3-84, VI4-137, 138)
2,701,258	1	Part 1 1.1, 1.2, 2.3.2, and 2.5 (Pages PH-1, 2, 12, 21)
2,702,905	1	Part1 2.5 Fig.2.4-1, 2.5-2 (Pages PH-20, 21, 23)
2,705,377	1	DVD-Video Commercially essential
2,723,832	1	Part 1 3.2, Fig.3.2-1 3.2.6, Fig.3.2.6-1 (Pages PH-40, 46)
2,742,524	12	DVD-ROM Commercially essential
2,755,116	1	Part 3 4.5. Table 4.5-1 Fig.4.5-1 4.5.1, Table 4.5.1-1 (Pages VI4-133-135)
2,762,765	3	Part 3 3.1.1, Fig.3.1.1-1 3.1.4, Fig.3.1.4-1 4.1.2, Fig.4.1.2-1, 4.1.2-2 (Pages VI3-1, 4, VI4-12-14)
2,827,495	1	Part 2 2.3, Fig.2.3-1 (Pages FS-1, 18)
2,863,052	1	Part 1 3.2.9, Fig.3.2.9-1, Table 3.2.9-1 3.3 (Pages PH-50-52)
2,864,666	1	Part 3 4.5, Table 4.5-1 4.5.4, Table 4.5.4-1 (Pages VI4-133, 144-150)

2,869,195	1	Part 3 4.1.2-2 (Page VI4-13)
2,883,209	1	DVD-Video VI4-133, 144, 145 Fig.4.5.4-1
2,904,140	1	DVD-ROM PH-2, 21, 47, 50 1.2 2.5.4 3.2.7. 3.2.9
3,042,780	3	DVD-ROM 3.4.1.3 Annex K
3,089,599	1	DVD-ROM Annex K
3,089,600	4	DVD-ROM Annex K 3.4.1.3
3,097,916	1	DVD-ROM Annex K
3,097,917	1	DVD-ROM Annex K 3.4.1.3
3,114,969	1	DVD-Audio Part 4 3.1, 3.1.2, 3.1.4, 3.1.5, 3.1.6, 3.2
3,114,970	1	DVD-Audio Part 4 5.1 7.1.2 Fig. 7.1.2-2 7.1.2.2 Table 7.1.2.2-1
3,114,971	1	DVD-Audio Part 4 3.1, 3.1.2, 3.1.4, 3.1.5, 3.1.6, 5.1.1, 5.1.2
3,143,454	3	DVD-ROM Annex K K.4 3.4.1.3

3,143,455	3	DVD-ROM Annex K Fig. K2-1
3,146,185	1	DVD-ROM/Video VI2-19 VI3-26 VI4-86, 108
3,167,289	3	DVD-ROM 3.2 Fig. 3.2-1 3.2.6 Fig. 3.2.6-1
3,167,302	3	DVD-ROM 3.2 Fig. 3.2-1 3.2.6 Fig. 3.2.6-1
3,210,286	1	DVD-ROM/Video VI3-21, 26
3,210,289	1	DVD-ROM/Video VI4-126, 212
3,225,035	1	DVD-ROM Annex K K.4
3,225,036	4	DVD-ROM Annex K K.2 K4
3,246,731	1	DVD-ROM Annex K Commercially essential
3,292,468	1	DVD-ROM Annex K K.5.2
3,327,463	1	DVD-Audio Fig.7.1-1 Fig.7.1.2.3-1 Fig.7.1.2.3.3-1,2 Table 7.1.2.3.3-1
3,327,917	7	DVD-Video VR4-144 4.5.4 Table 4.5.4-1

3,334,795	1	DVD-Audio Fig.7.1-1 Fig.7.1.2.3.4-1 Table 7.1.2.3.4.2-1
3,334,799	1	DVD-Audio Fig.3.1-1 Fig.6-1 Fig.7.1-1 Table 7.1.2.3.4.2-1
3,334,801	1	DVD-Audio Fig.7.1-1 Fig.7.1.2.3.4-1 Table 7.1.2.3.4-1 Table 7.1.2.3.4.2-1
3,334,802	1	DVD-Audio Fig.7.1-1 Fig.7.1.2.3.4-1 Table 7.1.2.3.4-1 Table 7.1.2.3.4.2-1
3,334,803	1	DVD-Audio Fig.7.1-1 Fig.7.1.2.3.4-1 Table 7.1.2.3.4-1 Table 7.1.2.3.4.2-1
3,338,032	13	DVD-Video VR4-144 4.5.4 Table 4.5.4-1
3,338,033	13	DVD-Video VR4-144 4.5.4 Table 4.5.4-1
3,338,034	13	DVD-Video VR4-144 4.5.4 Table 4.5.4-1
3,338,035	13	DVD-Video VR4-103, 144 4.3.5 Fig.4.3.5-1 4.5.4 Table 4.5.4-1

3,338,036	13	DVD-Video VR4-103, 144 4.3.5 Fig.4.3.5-1 4.5.4 Table 4.5.4-1
3,338,037	13	DVD-Video VR4-144 4.5.4 Table 4.5.4-1
3,338,038	13	DVD-Video VR4-103, 144 4.3.5 Fig.4.3.5-1 4.5.4 Table 4.5.4-1
3,338,039	13	DVD-Video VR4-103, 144 4.3.5 Fig.4.3.5-1 4.5.4 Table 4.5.4-1
3,338,040	13	DVD-Video VR4-103, 144 4.3.5 Fig.4.3.5-1 4.5.4 Table 4.5.4-1
3,338,041	13	DVD-Video VR4-144 4.5.4 Table 4.5.4-1
3,338,042	13	DVD-Video VR4-103, 144 4.3.5 Fig.4.3.5-1 4.5.4 Table 4.5.4-1
3,344,607	1	DVD-ROM Fig.5.1-1 Table 4.5-1 Fig.4.5.4-1

3,345,019	1	DVD-ROM/Video VI4-113, 115, 126 4.4.3 4.4.3.4
3,345,352	1	DVD-ROM/Video VI4-225
3,345,411	1	DVD-ROM/Video VI4-225
3,345,412	1	DVD-ROM/Video VI4-113, 115, 126 4.4.3 4.4.3.4
3,345,413	1	DVD- ROM/Video VI4-113, 115, 126 4.4.3 4.4.3.4 VI2-11, 17 2.4.50 2.4.92
3,345,414	1	DVD-ROM/Video VI5-66, 76, 82, 88
3,350,542	5	DVD-Video VI3-80-84 VI4-99, 137 4.3.5 Fig.4.3.5-1 Table 4.3.5-1 4.5.2 Table 4.5.2-1
3,350,543	5	DVD-Video VI3-80-84 VI4-99, 137 4.3.5 Fig.4.3.5-1 Table 4.3.5-1 4.5.2 Table 4.5.2-1

3,350,544	5	DVD-Video VI3-80-84 VI4-99, 137 4.3.5 Fig.4.3.5-1 Table 4.3.5-1 4.5.2 Table 4.5.2-1
3,350,545	5	DVD-Video VI3-80-84 VI4-99, 137 4.3.5 Fig.4.3.5-1 Table 4.3.5-1 4.5.2 Table 4.5.2-1
3,356,759	1	DVD-Video VI4-95, 96, 126, 129, 155, 246, 252, 257
3,356,767	1	DVD-Video VI4-95, 96, 126, 129, 155, 246, 247, 252
3,356,768	1	DVD-Video VI4-95, 96, 126, 129, 155, 246, 247, 252
3,356,769	1	DVD-Video VI4-82, 86
3,356,770	1	DVD-Video VI4-82, 86
3,357,374	11	DVD-ROM 3.2.1, 3.2.7, 3.2.8 Fig. 3.2.8-1
3,362,856	1	DVD-ROM/Video VI5-66, 76, 82, 88
3,364,212	1	DVD-Video VI4-133, 137, 139 4.5 Table 4.5-1 4.5.2 Table 4.5.2-1
3,364,213	1	DVD-Video VI4-133, 137, 139 4.5 Table 4.5-1 4.5.2 Table 4.5.2-1

3,364,214	1	DVD-Video VI4-133, 137, 139 4.5 Table 4.5-1 4.5.2 Table 4.5.2-1
3,364,216	1	DVD-Video VI3-89 3.3.12.5, 3.3.12.6 Fig.3.3.12.6-1
3,370,660	1	DVD-ROM/Video Fig.5.1-1 Fig.5.4.1-1 Table 4.5.4-1
3,372,025	1	DVD-Video VI4-93
3,372,036	1	DVD-Video VI4-93
3,372,037	1	DVD-Video VI4-93
3,372,038	1	DVD-Video VI4-93
3,375,618	2	DVD-Video Annex K
3,375,619	3	DVD-Video Annex K
3,375,620	3	DVD-Video Annex K
3,375,621	3	DVD-Video Annex K
3,375,622	3	DVD-Video Annex K
3,377,788	5	DVD-Video VI3-80-84 VI4-99, 137 4.3.5 Fig.4.3.5-1 Table 4.3.5-1 4.5.2 Table 4.5.2-1 4.5.3 Table 4.5.3-1

3,377,789	5	DVD-Video VI3-80-84 VI4-99, 137 4.3.5 Fig.4.3.5-1 Table 4.3.5-1 4.5.2 Table 4.5.2-1 4.5.3 Table 4.5.3-1
3,377,790	5	DVD-Video VI3-80-84 VI4-99, 137 4.3.5 Fig.4.3.5-1 Table 4.3.5-1 4.5.2 Table 4.5.2-1 4.5.3 Table 4.5.3-1
3,379,961	1	DVD-Video VI4-82, 86
3,382,614	1	DVD-Video VI4-133, 137, 139 4.5 Table 4.5-1 4.5.2 Table 4.5.2-1
3,382,615	1	DVD-Video VI4-133, 137, 139 4.5 Table 4.5-1 4.5.2 Table 4.5.2-1
3,385,028	2	DVD-ROM PH-37, 64 3.1.4 3.4.1.1 PHX-16 K.2

3,385,281	1	DVD-ROM PH-37, 64 3.1.4 3.4.1.1 PHX-16 K.2
3,385,282	1	DVD-ROM PH-37, 64 3.1.4 3.4.1.1 PHX-16 K.2
3,385,283	1	DVD-ROM PH-37, 64 3.1.4 3.4.1.1 PHX-16 K.2
3,385,284	1	DVD-ROM PH-37, 64 3.1.4 3.4.1.1 PHX-16 K.2
3,385,285	1	DVD-ROM PH-37, 64 3.1.4 3.4.1.1 PHX-16 K.2

Mitsubishi Electric Corporation
Essential DVD Read-Only Disc Patents (Japan)

Japanese Patent No.	Claim	Reference to DVD Specification
2,545,302	1, 5	DVD-Video Commercially essential
2,545,302	1, 5	DVD-Audio Commercially essential
2,766,919	8	Part 3 1.2 5.4.1.2, 5.4.2.3 (Pages VI 1-2, VI 5-40, 52, 53)
2,766,919	8, 17	DVD-Audio Part 4 1.2 5.4.1.2, 5.4.2.3
2,825,107	1	Part 1 2.5 Figure 2.5-2 Commercially essential
2,986,093	1	DVD-ROM 1.1 PH-68, BP(2)
3,066,677	1	DVD-ROM 1.1 2.5.4 Fig. 2.5-2 Commercially Essential
3,085,536	6	DVD-ROM PH-37, 41,47
3,216,795	2	DVD-ROM 1.1 2.5.4 Fig. 2.5-2 PH-68, BP(2) Commercially Essential
3,221,653	1	DVD-ROM 1.1 2.5.4 Fig. 2.5-2 PH-68, BP(2) Commercially Essential

3,221,655	1	DVD-ROM 1.1 2.5.4 Fig. 2.5-2 PH-68, BP(2) Commercially Essential
3,363,859	1	DVD- ROM PH5-5 5.2 Table 5.5.5-1
3,363,860	1	DVD-ROM PH5-63, 65 5.7.1.5.1
3,370,457	1	DVD-Video, Audio VI4-61, 77, 83
3,370,468	2	DVD-Video, Audio VI4-135(4) Fig.4.5.1-1 VI5-11 Fig.5.2.2-1
3,375,431	1	VD-Video, Video recording, Audio VR3-15, 40, 41 VR4-31, 34
3,375,615	1, 5	DVD-Video VI5-3, 9 VI4-133, 135, 137
3,375,616	1	DVD-Video/Audio VI4-133, 135, 137 VI5-3.9

Toshiba Corporation
Essential DVD Read-Only Disc Patents (Japan)

Japanese Patent No.	Claim	Reference to DVD Specification
2,704,107	1	Part 1 1.2, 2.6.13, (Pages PH2, 26) Commercially Essential
2,712,099	14	Part 3 5.1, 5.2.1, 5.2.5, 5.4.3, Fig.5.1-1, Fig.5.2.5-1, Table 5.2.5-1, Fig.5.4.3-1, Table 5.4.3.1-1 (Pages VI5-3, VI5-28, 29, 66, VI5-68, 78)
2,747,268	43	Part 3 5.1.1, Fig. 5.1-1 (Pages VI5-3,5) 4.5, Table 4.5-1 4.5.4, Fig. 4.5, 4-1 4.5.5, Table 4.5.5-1 (Pages VI4-133, 135, 144-146, 151)
2,786,810	1	Part 1 3.2.9, 3.3.2 Fig 3.2.9-1 Table 3.2.9-1 (Pages PH-50, PH-51, PH-53)
2,807,456	9	Part 3 5.1, 5.2.1, 5.2.5, 5.4.3, Fig.5.1-1, Fig.5.2.5-1, Table 5.2.5-1, Fig.5.4.3-1, Fig.5.4.3-2 Table 5.4.3.1-1 (Pages VI5-3, VI5-28, VI5-29, VI5-66, VI5-68)

2,810,028	1	Part 1 1.2, 3.4.1.2 Fig.2.6-1, Fig.3.4.1.1-1 Table 3.3-1 (Pages PH-2, 27, PH-58, 64, 65)
2,810,029	1	Part 3 , 5.2.1, Fig. 5.2.1-1, -2 Table 5.2.1-1, -2 5.2.4 Fig 5.2.4-1 Table 5.2.4-1 Fig 5.4.2.1-2 (Pages VI5-9, 10, VI5-17, 19 to 21, VI5-49)
2,810,030	1	Part 3 Fig. 5.4.2.1-2 5.2.1, Fig. 5.2.1-1, Fig. 5.2.1-2, Table 5.2.1-2 5.2.4 Fig. 5.2.4-1 Table 5.2.4-1 (Pages VI5-9, 10, VI5-17, 19, 20, 50)
2,810,031	1	Part 1 1.2, 3.4.1.2 Fig.2.6-1, Fig.3.2.1-1 Fig.3.4.1.1-1 Table 3.3-1 (Pages PH-2, 27, 40, PH-41, 58, 64, 65)
2,829,266	1	Part 3 5.4.3, Fig 5.4.3-1 5.4.3.2(a) (Pages VI5-66, VI5-68 to 71)
2,829,294	6	Part 3 5.4.3, Fig 5.4.3-1, -2 5.4.3.2(a) (Pages VI5-66, VI5-68 to 71)

2,835,317	28	Part 3 3.1.4, Fig. 3.1.4-1 4.1, Table 4.1.1-1 4.1.5, Fig.4.1.5-1 Fig. 4.2-1 5.4.1, 5.4.2 (Pages VI3-4, VI4-2, 24, 39, VI5-38, 48, 66)
2,835,318	13	Part 3 3.3.9.2, 5.1, 5.4.3.3 5.4.3.4, Fig.5.1-1, Table 5.4.3.3-2 Table 5.4.3.4-1 (Pages VI3-57, VI5-3, VI5-78, 80)
2,835,319	1	Part 3 3.1.4, Fig. 3.1.4-1 4.1, Table 4.1.1-1 4.1.5, Fig.4.1.5-1 Fig. 4.2-1 5.4.1, 5.4.2 (Pages VI3-4, VI4-2, 24, 39, VI5-38, 48, 66)
2,835,321	1	Part 1 1.2, 2.1, Fig 2.4-1, 2.5, Fig 2.5-3, 2.6.13 (Pages PH2, 9, 12, PH20, 21, 24, 26, 37)
2,839,878	9	Part 3 2.4.45, 2.4.100 4.4, Table 4.4-1, 4.5, Table 4.5-1 5.1, Table 5.1.1-1 Table 5.1.1-2, -3 5.2, 5.2.2, Table 5.2.2-2, -3 5.2.3, 5.2.4, Fig.5.2.4-1 Table 5.2.4-1, -2 5.2.5, Table 5.2.5-1 Table H.1-1 Annex H, N (Pages VI2-10, 18, VI4-106, 133, VI5-3, 6, 7, 11, 13, 14, VI5-17 to 20, 23, 24, VI5-28 to 30, VIX-44 to 46, 77)

2,839,879	1	Part 3 2.4.45, 2.4.100 4.4, Table 4.4-1, 4.5, Table 4.5-1 5.1, Table 5.1.1-1 Table 5.1.1-2, -3 5.2, 5.2.2, Table 5.2.2-2, -3 5.2.3, 5.2.4, Fig.5.2.4-1 Table 5.2.4-1, -2 5.2.5, Table 5.2.5-1 Table H.1-1 Annex H, N (Pages VI2-10, 18, VI4-106, 133, VI5-3, 6, 7, 11, 13, 14, VI5-17 to 20, 23, 24, VI5-28 to 30, VIX-44 to 46, 77)
2,856,722	10	Part 3 2.4.34., 2.4.42 3.3.10, Fig 3.3.10-1 4.4, Table 4.4-1, 4.4.3, Table 4.4.3.1-1 Fig. 4.4.3-1, -2 5.1, 5.2.2, (Pages VI2-8, 9, VI3-61, VI4-106, VI4-113, 114,122,123, VI4-126, VI5-11)
2,856,726	1	Part 3 3.1.4, Fig 3.1.4-1 Fig 3.3.6.2-1 Fig 4.2.8-1, 4.3.5, Table 4.3.5-1 Table J.1-2 (Pages VI3-4, 3, VI4-77, 99, 100, VIX-61)

2,857,120	3	Part 3 3.1.4, 3.2.1, 3.2.2, 3.3.4, 4.2 Table 3.3.4-1, Fig. 3.3.4.2-1, Table 4.1.2-2, Table 4.2.3-2 Annex G (Pages VI3-4, 7, 8, VI3- 21, 22, 25, VI4-13, 18, 20, 38, VI4-61 to 63, VIX-41 to 43)
2,857,121	1	Part 3 3.1.4, 3.2.1, 3.2.2, 3.3.4, 4.2 Table 3.3.4-1, Fig. 3.3.4.2-1, Table 4.1.2-2, Table 4.2.3-2 (Pages VI3-4, 7, 8, VI3- 21, 22, 25, VI4-13, 18, 20, 38, VI4-61 to 63)
2,857,123	1	Part 3 2.4.37, 2.4.38 3.3.12.1 Fig 3.3.12.1-1 3.3.12.2 4.5, Table 4.5-1 4.5.2, Table 4.5.2-1 4.5.4 5.1, Fig 5.1-1 (Pages VI2-8, 9, VI3-81 to 83, VI4-133, 137, 144, VI5-3)
2,857,126	1	Part 3 4.4, Table 4.4-1, 4.4.1, Table 4.4.1-1 4.5, Table 4.5-1 4.5.5, Table 4.5.5-1 5.1, 5.2.2 Fig. 5.2.2-1 (VI4-106 to 109, VI4-133, 151, 152, VI5-3, 5, 9, 11)

2,857,129	1	Part 3 2.4.37, 2.4.38 3.3.12.1 Fig 3.3.12.1-1, -3 3.3.12.2 4.5, Table 4.5-1 4.5.2, Table 4.5.2-1 4.5.3, Table 4.5.3-1 5.1, Fig 5.1-1 Annex K.4 (Pages VI2-8, 9, VI3-81 to 83, VI4-133, 137, 142, VI4-143, VI5-3, VIX-65)
2,857,130	1	Part 3 2.4.37, 2.4.38 3.3.12.1 Fig 3.3.12.1-1 3.3.12.2 4.5, Table 4.5-1 4.5.2, Table 4.5.2-1 4.5.3, Table 4.5.3-1 5.1, Fig 5.1-1 Annex K.4 (Pages VI2-8, 9, VI3-81 to 83, VI4-133, 137, 142, VI4-143, VI5-3, VIX-65)
2,857,131	1	Part 3 2.4.37, 2.4.38 3.3.12.1 Fig 3.3.12.1-1 3.3.12.2 4.5, Table 4.5-1 4.5.2, Table 4.5.2-1 4.5.3, Table 4.5.3-1 5.1, Fig 5.1-1 Annex K.4 Fig K.6-2 (Pages VI2-8, 9, VI3-81 to 83, VI4-133, 137, 142, VI4-143, VI5-3, VIX-65, 66, 69)

2,857,132	1	Part 3 2.4.37, 2.4.38 3.3.12.1 Fig 3.3.12.1-1 3.3.12.2 4.5, Table 4.5-1 4.5.1, Table 4.5.1-1 4.5.2, Table 4.5.2-1 4.5.3, Table 4.5.3-1 5.1, Fig 5.1-1 Annex K.4 (Pages VI2-8, 9, VI3-81 to 83, VI4-133 to 137, 142, VI4-143, VI5-3, VIX-65, 66)
2,857,133	1	Part 3 2.4.37, 2.4.38 3.3.12.1 Fig 3.3.12.1-1 3.3.12.2 4.5, Table 4.5-1 4.5.2, Table 4.5.2-1 4.5.3, Table 4.5.3-1 5.1, Fig 5.1-1 Annex K.4 (Pages VI2-8, 9, VI3-81 to 83, VI4-133 to 137, 142, VI4-143, VI5-3, VIX-65, 66)
2,857,134	1	Part 3 2.4.37, 2.4.38 3.3.12.1 Fig 3.3.12.1-1, -3 3.3.12.2 4.5, Table 4.5-1 4.5.2, Table 4.5.2-1 4.5.3, Table 4.5.3-1 5.1, Fig 5.1-1 Annex K.4 (Pages VI2-8, 9, VI3-81 to 83, VI4-133, 137, 142, VI4-143, VI5-3, VIX-65)

2,857,135	1	Part 3 2.4.37, 2.4.38 3.3.12.1 Fig 3.3.12.1-1, -3 3.3.12.2 4.5, Table 4.5-1 4.5.2, Table 4.5.2-1 4.5.3, Table 4.5.3-1 5.1, Fig 5.1-1 Annex K.4 Fig K.6-1 (Pages VI2-8, 9, VI3-81 to 83, VI4-133, 137, 142, VI4-143, VI5-3, VIX-65 to 69)
2,857,140	1	Part 3 2.4.46, 2.4.100 4.4, 4.4.1, Table 4.4.1-1 4.5, Table 4.5-1 4.5.5, Table 4.5.5-1 5.1, 5.2.2 (Pages VI2-10, 18, VI4-106 to 110, VI4-133, 151, 152, VI5-3, 11)
2,857,141	1	Part 3 2.4.46, 2.4.100 4.4, 4.5, 5.1 Fig 5.1-1 Table 5.1.1-3 5.2.1, 5.2.2 Fig 5.2.2-1, Table 5.2.2-2, -3 (Pages VI2-10, 18, VI4-106, 133, VI5-3, 7, 9, 11, 13)
2,857,142	1	Part 3 5.1, Table 5.1.1-1, -2 5.2.1, 5.2.4 Fig 5.2.4-1 Table 5.2.4-1, -2 5.4.2, Annex H Table H.1-1 (Pages VI5-3, 6, 9, VI5-17 to 20, 23, 24, VIX-44, to 46)

2,857,143	1	Part 3 2.4.100 5.1, Fig 5.1-1 Table 5.1.1-1, -2 5.2.1, 5.2.5 Fig 5.2.5-1 Table 5.2.5-1 (Pages VI2-18, VI5-3, 6, 9, 28 to 30)
2,857,144	11	Part 3 2.4.46, 2.4.100 4.4, 4.5, 5.1 Fig 5.1-1 Table 5.1.1-3 5.2.1, 5.2.2 Fig 5.2.2-1, Table 5.2.2-2, -3 (Pages VI2-10, 18, VI4-106, 133, VI5-3, 7, 9, 11, 13)
2,857,145	1	Part 3 5.1, Table 5.1.1-1, -2 5.2.1, 5.2.4 Fig 5.2.4-1 Table 5.2.4-1, -2 5.4.2, Annex H Table H.1-1 (Pages VI5-3, 6, 9, VI5-17 to 20, 23, 24, VIX-44, to 46)
2,857,146	1	Part 3 2.4.100 5.1, Fig 5.1-1 Table 5.1.1-1, -2 5.2.1, 5.2.5 Fig 5.2.5-1 Table 5.2.5-1 (Pages VI2-18, VI5-3, 6, 9, 28 to 30)
2,862,869	3	Part 3 2.4.38, 2.4.103 3.3.12, Fig 3.3.12-1 3.3.12.1, Fig 3.3.12.1-1 Fig.3.3.12.2-1 Annex K.4 (Pages VI2-9, 19, VI3-79 to 84, VIX 65 to 67)

2,865,608	1	Part 3 2.4.38, 2.4.103 3.3.12, Fig 3.3.12-1 3.3.12.1, Fig 3.3.12.1-1 Fig.3.3.12.2-1 (Pages VI2-9, 19, VI3-79 to 84)
2,865,643	1	Part 3 2.4.82, 3.3.9.2 Table 4.6.1.2-1(c), 5.4.3, Fig 5.4.3-1 Table 5.4.3-1 Table 5.4.3.3-2 Table 5.4.3.4-1 Table N-2 (Pages VI2-16, VI3-57, VI4-157, VI- 160, VI5-66, VI5- 68, 78, 80, VIX-78)
2,868,744	1	Part 3 3.2.9, Table 3.2.9-1 Fig.3.2.9-1 (PH-50, 51)
2,868,981	2	Part 3 2.1.106, 4.2 4.5, Table 4.5-1 4.5.5 5.1, Fig. 5.5-1 Fig. 5.3-2 5.4, 5.4.1, 5.4.2 Table 5.4.2-1 (Pages VI2-20, VI4-42, 44, 45, VI4-49 to 53, 133, VI4-151, VI5-3, VI5-34, 48)
2,875,231	12	Part 3 2.4.66, 2.4.97, 2.4.100, 3.1.4, 3.2.2, Fig.3.2.2-1, 3.3.5, 4.2.3, Fig.4.2.3-1 Table 4.2.3-2, 4.3.1, Fig. 4.3.1-1 4.3.2, 4.3.5, 5.1 Fig. 5.1-1 (PagesVI2-13, 18, VI3-4, 8, 26, 38, 61, VI4-62, 83, 84, 92,93, VI4-99, 100, VI5-3)

2,875,232	1	Part 3 5.2, Fig 5.2.1-2 Table 5.2.4-1 Fig 5.4.2.1-2 (Pages VI5-9, 19, 20, VI5-48 to 50)
2,875,233	1	Part 3 2.4.66, 2.4.97, 2.4.100, 3.1.4, 3.2.2, Fig.3.2.2-1, 3.3.5, 4.2.3, Fig.4.2.3-1 Table 4.2.3-2, 4.3.1, Fig. 4.3.1-1 4.3.2, 4.3.5, 5.1 Fig. 5.1-1 (PagesVI2-13, 18, VI3-4, 8, 26, 38, 61, VI4-62, 83, 84, 92, 93, VI4-99, 100, VI5-3)
2,875,237	4	Part 3 4.4, 4.4.1 Table 4.4-1 4.4.2, Fig. 4.4.2-1 Table 4.4.2-1 4.5, Table 4.5-1 4.5.3, Fig. 4.5.3-1 Table 4.5.3-1 5.1, 5.2.2 Fig. 5.2.2-1 (Pages VI4-106, VI4-111, 112, VI4-133, 142 to 144, VI5-3, 5, 9, 11)
2,877,780	1	Part 3 5.2 Table 5.2.1-1, -2 Fig 5.2.1-1 Fig 5.2.4-1 Table 5.2.4-1 Fig 5.4.2.1-2 (Pages VI5-9, 10, VI5-17, 19, 20, VI5-48 to
2,880,981	1	DVD-Video VI3-76 VI4-38
2,883,554	1	DVD-ROM PH49, 50

2,914,936	1	DVD-Video VI3-72, 73 Table 3.3.11.1-1 Figure 3.3.11.2-1 VI5-34 Fig.5.3-2
2,920,065	1	DVD-ROM PH40, 41, 42, 49
2,931,754	2	DVD-Video VI5-3, 9, 14, 15 Table 5.2.3-1 Table 5.2.4-1
2,931,755	3	DVD-Video VI5-66, 78, 80 Fig.5.4.3-1 Table 5.4.3.3-2 Table 5.4.3.4-1
2,944,570	4	DVD-Video VI4-61, 69, 100 Fig.4.2.3-1 Table 4.2.4.1-2 Fig.4.3.5-1
2,945,842	1	DVD-Video VI5-4, 133, 151 Fig. 4.5-1 Table 4.5.5-1
2,945,842	1	DVD-Audio Part 4 3.1.2 5.2 5.2.2 5.2.3.2 Table 5.2.3.2-1 Video Specification Part 3 Fig. 5.1-1
2,977,513	3	DVD-Video VI5-29, 66, 68, 78

2,977,513	3	DVD-Audio Part 4 6.2.3.3 Fig 6.2.3.3-1 6.2.6 Fig.6.2.6-1, 2 6.2.6.1 6.2.6.2.4
3,350,463	1	DVD-Audio AU3-3 Fig.3.1.2-1 AU5-2, 14, 15, 17
3,350,534	1	DVD-Audio AU3-3, 5 3.1.1 3.1.2 AU4-1, 2
3,350,535	1	DVD-Audio AU7-50, 56, 67
3,350,536	1	DVD-Audio AU5-2, 17
3,350,537	1	DVD-Audio AU3-2 Fig.3.1-2 AU4-1, 2
3,350,538	1	DVD-Audio AU2-13 AU3-2, 4 AU6-2, 12
3,350,539	1	DVD-Audio AU3-2 AU7-3
3,350,540	1	DVD-Audio AU3-2 AU7-2, 22, 34, 35
3,354,566	1	DVD-Audio AU3-5 AU7-2, 3, 18, 26
3,372,174	1	DVD-Video VIX-44 Fig. H.1-1

3,373,719	1	DVD-Audio AU3-1, Fig 3.1-2 AU7-2, 18, 22, 32, 33
3,376,265	1	DVD-Audio AU 3-2, 3 AU5-1, 12, 14, 17
3,376,270	1	DVD-Audio AU7-22, 23
3,376,371	1	DVD-Audio AU 3-5 AU7-22, 31, 32, 33, 50
3,376,372	1	DVD-Audio AU 3-5 AU7-2, 18, 26 Table 7.1.2.3.2-1
3,378,345	3	DVD-Video VI4-142, 144 4.5.3 Table 4.5.3-1 4.5.4 Fig 4.5.4-1
3,383,664	1	DVD-Audio AU7-18, 22, 23, 25, 26
3,389,244	1	DVD-Audio AU7-18, 22, 31, 32
3,389,245	1	DVD-Audio AU7-18, 22, 31, 32, 33
3,389,246	1	DVD-Audio AU7-18, 22, 31, 32, 33
3,389,247	1	DVD-Audio AU7-18, 22, 23, 25, 26
3,392,852	1	DVD-Audio AU7-31, 32
3,392,853	1	DVD-Audio AU7-31, 50 Fig. 7.2.1-1
3,392,854	1	DVD-Audio AU3-2 AU5-3
3,392,855	1	DVD-Audio AU7-3,5

3,392,856	1	DVD-Audio AU7-2, 3
3,392,857	1	DVD-Audio AU3-5 AU5-20, 21
3,392,858	1	DVD-Audio AU7-22, 25, 26, 29

Victor Company of Japan, Ltd.
Essential DVD Read-Only Disc Patents (Japan)

Japanese Patent No.	Claim	Reference to DVD Specification
2,516,041	1	DVD-Audio Commercially essential
2,532,906	1	DVD-Audio Part 4 1.1 Part 1 3.2.1, 3.2.2, 3.2.9
2,591,029	1	Part 1 Fig.3.2.1-1
2,617,772	1	Part 3 5.4.1, Fig. 5.4.1-1 (Page VI5-38) 5.2.1 Fig.5.2.2-1 (Page VI5-9)
2,927,163	1	DVD-Audio Part 4 1.1 Part 1 3.2.6
2,932,950	1, 4	DVD-Audio Part 4 6.2.2 Table 6.2.2-3
2,947,395	1	DVD-Audio Part 4 5.2.3.2.3 Fig. 5.2.3.2.3-1
2,973,993	1	DVD-Audio Part 4 3.1.4 Fig. 3.1.4-1

2,993,471	4	DVD-Audio Part 4 7.1.2.3.2 Table 7.1.2.3.2-1 (RBP 0 to 3) 7.2.4.1.3 Fig. 7.2.4.1.3-2
3,001,076	1	DVD-ROM Commercially Essential for manufacturing DVD-ROM disc.
3,001,077	1	Commercially Essential for manufacturing DVD-ROM discs.
3,050,047	3	DVD-Audio Commercially essential
3,070,422	1	DVD-ROM/Video Table 4.5.4-1 VOBU_SRI
3,082,699	1,2	DVD-Audio Part 4, 5.2.11.6
3,102,416	1	DVD-Audio Part 4 Annex G G.3 Table G.3-1
3,127,884	1	DVD-Audio Part 3 5.4.1 Fig. 5.4.1-1
3,164,307	1	DVD-Audio Part 4 3.1.4, 3.2.2, 5.1.1 Table 5.1.1-1 (RBP 52 to 53)
3,164,308	1	DVD-Audio Part 4 3.1.4 3.2.2 5.1.1 Table 5.1.1-1 RBP 52 to 53

3,173,482	1	DVD-Audio Part 4 7.2.3.1 Fig. 7.2.3.1-1 7.2.3.1.1 Table 7.2.3.1.1-1
3,173,609	1	DVD-Audio Part 4 7.2.3.1 Fig 7.2.3.1-1 7.2.3.1.1 Table 7.2.3.1.1-1
3,196,775	1	DVD-Audio MRI-15, 47 6.4 Table 9.6.14-1 AUX-D1 AU7-13, 26-28
3,196,776	3	DVD-Audio MRI-15, 47 6.4 Table 9.6.14-1 AUX-D1 AU7-13, 26-28
3,196,777	1	DVD-Audio MRI-15, 47 6.4 Table 9.6.14-1 AUX-D1 AU7-13, 26-28
3,196,778	1	DVD-Audio MRI-15, 47 6.4 Table 9.6.14-1 AUX-D1 AU7-13, 26-28
3,196,779	1	DVD-Audio MRI-15, 47 6, 4 Table 9.6.14-1 AUX-D2 AU7-13, 26-28

3,199,242	1	DVD-Audio AU5-2, 3 Fig. 5.1-1 Table 5.1.1-1 AU3-8, 9
3,199,243	1	DVD-Audio AU5-2, 3 Fig. 5.1-1 Table 5.1.1-1 AU3-8, 9
3,199,244	1	DVD-Audio AU5-2, 3 Fig. 5.1-1 Table 5.1.1-1 AU3-8, 9 AU5-24 5.1.4
3,199,245	1	DVD-Audio AU5-2, 3 Fig. 5.1-1 Table 5.1.1-1 AU3-8, 9 AU5-24 5.1.4 AU3-8 3.2.2
3,199,246	1	DVD-Audio AU3-7 Fig. 3.2-1 AU3-8 3.2.2 AU 5-3 Table 5.1.1-1
3,199,247	1	DVD-Audio AU3-8, 9 3.22 AU 5-3, 14 Table 5.1.1-1 Fig. 5.1.2-1

3,199,248	1	DVD-Audio AU3-8, 9 3.22 AU 5-3, 14 Table 5.1.1-1 Fig. 5.1.2-1 AU5-16
3,199,249	1	DVD-Audio AU3-7, 8, 9 Fig.3.2-1 Fig.3.2.2-1 AU4-5 Table 4.3-1 AU5-3 Table 5.1.1-1
3,199,252	1	DVD-Audio AU5-2,3 Fig. 5.1-1 Table 5.1.1-1 AU3-6,8 Fig. 3.2.2-1
3,199,254	1	DVD-Audio AU5-2,3 Fig. 5.1-1 Table 5.1.1-1 AU3-6,8 Fig. 3.2.2-1
3,199,256	1	DVD-Audio AU5-2, 3 Fig. 5.1-1 Table 5.1.1-1 AU3-8, 9 AU3-6, 8 Fig. 3.2.2-1
3,199,258	1	DVD-Audio AU5-2, 3 Fig. 5.1-1 Table 5.1.1-1 AU3-8, 9

3,199,260	1	DVD-Audio AU5-2, 3 Fig. 5.1-1 Table 5.1.1-1 AU3-8, 9 AU5-24 5.1.4 AU3-8 3.2.2
3,199,262	1	DVD-Audio AU5-2, 3 Fig. 5.1-1 Table 5.1.1-1 AU3-8, 9 AU5-24 5.1.4 AU3-8 3.2.2
3,199,263	1	DVD-Audio AU5-2, 3 Fig. 5.1-1 Table 5.1.1-1 AU3-8, 9 AU5-24 5.1.4 AU3-8 3.2.2
3,200,837	1	DVD-Audio AU7-8, 50 AU5-3 Table 5.1.1-1 AUX-E14 E.36 7.1.2.3.2
3,200,839	1	DVD-Audio AU7-8, 50 AU5-3 Table 5.1.1-1 AUX-E14 E.36 7.1.2.3.2

3,200,840	1	DVD-Audio AU7-8, 50 AU5-3 Table 5.1.1-1 AUX-E14 E.36 7.1.2.3.2
3,200,842	1	DVD-Audio AU3-7 Fig. 3.2-1 AU3-8 3.2.2 AU 5-3 Table 5.1.1-1
3,200,843	1	DVD-Audio AU3-7 Fig. 3.2-1 AU3-8 3.2.2 AU 5-3 Table 5.1.1-1
3,201,311	1	DVD-Audio AU7-8, 50 AU5-3 Table 5.1.1-1 AUX-E14 E.36
3,201,401	1	DVD-Audio AU3-8, 9 3.22 AU 5-3, 14 Table 5.1.1-1 Fig. 5.1.2-1
3,201,403	1	DVD-Audio AU3-8, 9 3.22 AU 5-3, 14 Table 5.1.1-1 Fig. 5.1.2-1 AU5-16

3,201,404	1	DVD-Audio AU3-8, 9 3.22 AU 5-3, 14 Table 5.1.1-1 Fig. 5.1.2-1 AU5-16
3,201,406	1	DVD-Audio AU3-7, 8, 9 Fig.3.2-1 Fig.3.2.2-1 AU4-5 Table 4.3-1 AU5-3 Table 5.1.1-1
3,201,407	1	DVD-Audio AU3-7, 8, 9 Fig.3.2-1 Fig.3.2.2-1 AU4-5 Table 4.3-1 AU5-3 Table 5.1.1-1
3,209,126	4	DVD-ROM/Video PHX-16 Annex K
3,211,772	1	DVD-Audio AU3-5 AU6-12 Fig.6.2.1-2 AU7-34, 35, 37 Table 7.1.2.3.4-1 Table 7.1.2.3.4.1-1 Table 7.1.2.3.4.2-1
3,228,473	1	DVD-Audio MRI-15, 47 6.4 Table 9.6.14-1 AUX-D1 AU7-13, 26-28

3,228,475	1	DVD-Audio MRI-15, 47 6, 4 Table 9.6.14-1 AUX-D2 AU7-13, 26-28
3,310,277	1	DVD-Video VI3-79 Commercially Essential
3,312,597	1	DVD-Video VI3-79 Commercially Essential
3,317,439	1	DVD-ROM/Video/Audio PH-46 3.2.6
3,341,840	1	DVD-Video VI3-79 Commercially Essential
3,341,842	1	DVD-Video VI3-79 Commercially Essential
3,341,992	1	DVD-Audio AUX-J1 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-1
3,342,001	1	DVD-Audio MRI-13 Fig. 6.2-1 MRI-26, 27 Fig. 8.4-1 Fig. 8.5-1
3,344,567	1	DVD-Audio MRI-13, 15, 26 Fig. 6.2-1 Fig. 6.4-1 Fig. 8.4-1
3,344,568	2	DVD-Audio MRI-13, 15, 26 Fig. 6.2-1 Fig. 6.4-1 Fig. 8.4-1

3,344,569	1	DVD-Audio MRI-26, 34 8, 4 Fig. 8.4-1 9. 2. 2
3,344,570	1	DVD-Audio MRI-26, 27 Fig. 7.2.3-1 Fig. 8.4-1 Fig. 8.5-1
3,344,571	1	DVD-Audio MRI-26, 28, 37 Fig. 8.4-1 Fig. 8.5-1 9.4.1
3,344,572	1	DVD-Audio MRI-26 Fig. 8.4-1 Fig. 8.5-1 AU7-80 Table 7.2.4.2.3-1 AUX C2 Table C.1-1
3,344,573	1	DVD-Audio MRI-26 FIG. 7.2.3-1 Fig. 8.4-1 Fig. 8.4-5 AU 7-80 Table 7.2.4.2.3-1
3,344,574	1	DVD-Audio MRI-26 Fig. 8.4-1 Fig. 8.4-5 AU 7-80 Table 7.2.4.2.3-1 AUX C” Table C.1-1

3,344,575	1	DVD-Audio MRI-26 Fig. 8.4-1 Fig. 8.4-5 AU 7-80 Table 7.2.4.2.3-1
3,344,579	1	DVD-Audio MRI-13 Fig. 6.2-1 MRI-26, 27 Fig. 8.4-1 Fig. 8.5-1
3,344,580	1	DVD-Audio MRI-13 Fig. 6.2-1 MRI-26, 27 Fig. 8.4-1 Fig. 8.5-1
3,344,582	1	DVD-Audio MRI-13 Fig. 6.2-1 MRI-26, 27 Fig. 8.4-1 Fig. 8.5-1
3,344,583	1	DVD-Audio MRI-13 Fig. 6.2-1 MRI-26, 27 Fig. 8.4-1 Fig. 8.5-1
3,346,382	1	DVD-Audio MRI-26 Fig. 8.4-1 Fig. 8.5-1 AU7-80 Table 7.2.4.2.3-1 AUX C2 Table C.1-1

3,346,384	1	DVD-Audio MRI-26 FIG. 7.2.3-1 Fig. 8.4-1 Fig. 8.4-5 AU 7-80 Table 7.2.4.2.3-1
3,346,385	1	DVD-Audio MRI-26 FIG. 7.2.3-1 Fig. 8.4-1 Fig. 8.4-5 AU 7-80 Table 7.2.4.2.3-1
3,346,387	1	DVD-Audio MRI-26 Fig. 8.4-1 Fig. 8.4-5 AU 7-80 Table 7.2.4.2.3-1
3,346,388	1	DVD-Audio MRI-26 Fig. 8.4-1 Fig. 8.4-5 AU 7-80 Table 7.2.4.2.3-1
3,346,390	1	DVD-Audio MRI-26 Fig. 8.4-1 Fig. 8.4-5 AU 7-80 Table 7.2.4.2.3-1 AUX C” Table C.1-1
3,346,391	1	DVD-Audio MRI-26 Fig. 8.4-1 Fig. 8.4-5 AU 7-80 Table 7.2.4.2.3-1 AUX C” Table C.1-1

3,346,393	1	DVD-Audio AUX-J1 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-1
3,346,394	1	DVD-Audio AUX-J1 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-1
3,346,395	1	DVD-Audio AUX-J1 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-1
3,346,397	1	DVD-Audio AUX-J1 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-1
3,346,398	1	DVD-Audio AUX-J1 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-1
3,346,399	1	DVD-Audio AU 7-56 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-2
3,346,401	1	DVD-Audio AU 7-56 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-2
3,346,402	1	DVD-Audio AU 7-56 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-2

3,346,403	1	DVD-Audio AU 7-56 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-2
3,346,405	1	DVD-Audio AU 7-56 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-2
3,346,406	1	DVD-Audio AU 7-56 7.2.3.1.2 Fig. 7.2.3.1-1 Table 7.2.3.1.2-2
3,346,546	1	DVD-Audio MRI-26, 34 8, 4 Fig. 8.4-1 9. 2. 2
3,346,547	1	DVD-Audio MRI-26, 34 8, 4 Fig. 8.4-1 9. 2. 2
3,346,549	1	DVD-Audio MRI-26, 27 Fig. 7.2.3-1 Fig. 8.4-1 Fig. 8.5-1
3,346,550	1	DVD-Audio MRI-26, 27 Fig. 7.2.3-1 Fig. 8.4-1 Fig. 8.5-1
3,346,552	1	DVD-Audio MRI-26, 34 Fig. 8.4-1 9.2.2 AU 7-80 Table 7.2.4.2.3-1

3,346,553	1	DVD-Audio MRI-26, 34 Fig. 8.4-1 9.2.2 AU 7-80 Table 7.2.4.2.3-1
3,346,555	1	DVD-Audio MRI-26, 28, 37 Fig. 8.4-1 Fig. 8.5-1 9.4.1
3,346,556	1	DVD-Audio MRI-26, 28, 37 Fig. 8.4-1 Fig. 8.5-1 9.4.1
3,346,557	1	DVD-Audio MRI-26 Fig. 8.4-1 Fig. 8.5-1 AU7-80 Table 7.2.4.2.3-1 AUX C2 Table C.1-1
3,354,136	1	DVD-Audio MRI-13 Fig. 6.2-1 AU 7-56, 64 Fig. 7.2.3.1-1 Fig. 7.2.3.1.2-1
3,356,004	4	DVD-ROM Commercially Essential
3,356,166	1	DVD-Audio MRI-13, 15, 26 Fig. 6.2-1 Fig. 6.4-1 Fig. 8.4-1
3,360,634	1	DVD-ROM/Video/Audio PH-46 3.2.6
3,365,235	6	DVD-Audio Ver.1.2 AU7, 58 Table 7.1.2.3.1-2

3,368,755	1	DVD-Audio AU7-7, 11, 56 MRI-19 Fig.7.1-1
3,371,766	1	DVD-Audio AU7-8, 50 AU5-3 Table 5.1.1-1 AUX-E14 E.36 7.1.2.3.2
3,371,902	1	DVD-Audio AU7-8, 50 AU5-3 Table 5.1.1-1 AUX-E14 E.36 7.1.2.3.2
3,371,904	1	DVD-Audio AU7-8, 50 AU5-3 Table 5.1.1-1 AUX-E14 E.36 7.1.2.3.2
3,371,905	1	DVD-Audio AU7-8, 50 AU5-3 Table 5.1.1-1 AUX-E14 E.36 7.1.2.3.2
3,375,053	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1

3,377,176	1	DVD-Audio AU3-5 Fig.3.1.4-1 AU6-20 Fig. 6.2.3.2-1 AU7-18, 22, 34,50 Fig.7.1.2-2 Fig.7.1.2.3-1 Fig.7.1.2.3.4-1 Fig.7.2.1-1
3,377,199	1	DVD-Audio AU3-5 Fig.3.1.4-1 AU6-20 Fig. 6.2.3.2-1 AU7-18, 22, 34,50 Fig.7.1.2-2 Fig.7.1.2.3-1 Fig.7.1.2.3.4-1 Fig.7.2.1-1
3,377,200	1	DVD-Audio AU6-2, 12 Fig.6.1-1 Fig.6.2.1-1 AU7-34 Fig.7.1.2.3.4-1
3,377,201	1	DVD-Audio AU6-2, 12 Fig.6.1-1 Fig.6.2.1-1 AU7-34 Fig.7.1.2.3.4-1 AU6-20 Fig.6.2.3.2-1
3,377,202	1	DVD-Audio AU6-2, 12 Fig.6.1-1 Fig.6.2.1-1 AU7-34 Fig.7.1.2.3.4-1 AU6-20 Fig.6.2.3.2-1

3,377,203	1	DVD-Audio AU6-2, 12 Fig.6.1-1 Fig.6.2.1-1 AU7-34 Fig.7.1.2.3.4-1 AU6-20 Fig.6.2.3.2-1
3,377,204	1	DVD-Audio AU6-2, 12 Fig.6.1-1 Fig.6.2.1-1 AU7-34 Fig.7.1.2.3.4-1 AU6-20 Fig.6.2.3.2-1
3,377,205	1	DVD-Audio AU7-34, 37 Fig.7.1.2.3.4-1 Table 7.1.2.3.4.2-1
3,377,206	1	DVD-Audio AU6-1 AU3-3, 4-2, 5 Table 4.3-1
3,377,207	1	DVD-Audio AU7-32 Table 7.1.2.3.3-1
3,386,060	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1
3,386,062	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1

3,386,064	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1
3,386,065	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1
3,386,066	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1
3,386,067	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1
3,386,068	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1
3,386,069	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1
3,386,070	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1

3,386,071	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1
3,386,073	1	DVD-Audio AU5-2 Fig.5-1 AU7-6~9 AUX-C2 Table C.1-1
3,387,084	1	DVD-Audio MRI-26, 34 Fig. 8.4-1 9.2.2 AU 7-80 Table 7.2.4.2.3-1
3,387,087	2	DVD-Audio MRI-13 Fig. 6.2-1 AU 7-56, 64 Fig. 7.2.3.1-1 Fig. 7.2.3.1.2-1
3,387,088	3	DVD-Audio MRI-13 Fig. 6.2-1 AU 7-56, 64 Fig. 7.2.3.1-1 Fig. 7.2.3.1.2-1
3,387,090	1	DVD-Audio MRI-13 Fig. 6.2-1 AU 7-56, 64 Fig. 7.2.3.1-1 Fig. 7.2.3.1.2-1
3,387,091	3	DVD-Audio MRI-13 Fig. 6.2-1 AU 7-56, 64 Fig. 7.2.3.1-1 Fig. 7.2.3.1.2-1

3,387,093	1	DVD-Audio AU7-79 Table 7.2.4.2.1.2 MRI-22, 23, 27, 38-40, 57 Fig. 7.4-1 Fig. 8.4-1, 8.5-1
3,387,094	1	DVD-Audio AU7-79 Table 7.2.4.2.1.2 MRI-22, 23, 27, 38-40, 57 Fig. 7.4-1 Fig. 8.4-1, 8.5-1
3,387,096	1	DVD-Audio MRI-13_15 Fig. 6.2-1 Fig. 6.4-1 AU 7-56 Fig. 7.2.3.1-1
3,387,097	1	DVD-Audio MRI-13-15 Fig. 6.2-1 Fig. 6.4-1 AU 7-56 Fig. 7.2.3.1-1
3,387,429	2	DVD-Audio MRI-13 Fig. 6.2-1 AU 7-56, 64 Fig. 7.2.3.1-1 Fig. 7.2.3.1.2-1
3,387,461	1	DVD-Audio MRI-13 Fig. 6.2-1 MRI-26, 27 Fig. 8.4-1 Fig. 8.5-1

**Warner Bros. Home Entertainment Inc.
Essential DVD Read-Only Disc Patents (Japan)**

Japanese Patent No.	Claim	Reference to DVD Specification
2,883,735	5	DVD-Audio VI3-55 3.3.9 algorithm 1 VI4-39, 51 to 53 4.2.1, Table 4.2.1-1 Table 4.2.1-3 VI5-3 5.1, Fig 5.1-1 VIX-23 Annex B.1 DVD-ROM
2,887,900	12	DVD-Audio, VI3-31 Fig3.3.6.2-1 VI4-73, 157, 161 4.2.6 4.6.1.2, Table 4.6.1.2-1 VIX-76 Table N-1 DVD-Video Recording DVD-ROM
2,892,159	30	DVD-Video VI4-48, 52 to 57 4.2.1 (RBP516 to 579), Table 4.2.1-2, -4 VIX-29 to 38 Annex D, E DVD-ROM
2,925,328	12	DVD-ROM/Video, Audio, Video Recording VI4-39, 42 4.2.1, Table 4.2.1-1 VI5-40, 41 5.4.1.2 Table 5.4.1.2-1

2,948,911	21	DVD-Video VIX-37, 40 Annex E.2, F
3,012,335	5	DVD-Video 4.1.1 (RBP 34 to 37) 4.6.1.2 (0) Annex U
3,272,364	9	DVD-Video/Video recording, Audio Fig 3.3.12.5-1 Tables 5.4.1.2-1, 5.4.2.3-1
3,502,308	1	DVD-Video 4.1.1 (RBP 34 to 37) 4.6.1.2(0) Annex U. U.4 U.5 U.6
3,530,396	1	DVD-Video VI4-48, 52 to 57, 4.2.1 (RBP 516 to 579) Table 4.2.1-2, -4 VIX-29 to 38 Annex D, E

**Panasonic/Toshiba
Essential DVD Read-Only Disc Patents (Japan)**

Japanese Patent No.	Claim	Reference to DVD Specification
3,071,828	13	DVD-ROM PH40, 47, 49 Fig.3.2.7-1 Fig.3.2.8-1
3,333,350	1	DVD-ROM PH-50 3.2.9 Fig.3.2.9-1

**Hitachi/Panasonic/Toshiba
Essential DVD Read-Only Disc Patents (Japan)**

Japanese Patent No.	Claim	Reference to DVD Specification
3,339,539	4	DVD-ROM, 3.3, 3.3-1 Fig. 3.3-1 3.3.2 Fig.3.3-2 Table 3.3-1 3,3-2