

**Summary Reports of Essential Patents evaluated after Year 2012**

**Toshiba Corporation**  
**DVD Essential Patents (Other than Japan)**

Country	Patent Nos.	Claim/ Category	Relevant sections of DVD Specification
CN	Z041094915.X	1 (P)	<u>DVD-R Part1 Ver. 2.1</u> <u>DVD-R for DL</u> <u>Part1 Ver.3.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1  <u>DVD-RW Part 1 Ver1.2</u> <u>DVD-RW for DL Part1 Ver. 2.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1, 3.4.1.4-2
KR	660454	1 (D)	<u>DVD-R Part1 Ver. 2.1</u> <u>DVD-R for DL</u> <u>Part1 Ver.3.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1  <u>DVD-RW Part 1 Ver1.2</u> <u>DVD-RW for DL Part1 Ver. 2.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1, 3.4.1.4-2
		5 (P)	<u>DVD-R Part1 Ver. 2.1</u> <u>DVD-R for DL</u> <u>Part1 Ver.3.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1  <u>DVD-RW Part 1 Ver1.2</u> <u>DVD-RW for DL Part1 Ver. 2.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1, 3.4.1.4-2

TW	I313454	1 (D)	<u>DVD-R Part1 Ver. 2.1</u> <u>DVD-R for DL</u> <u>Part1 Ver.3.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1  <u>DVD-RW Part 1 Ver1.2</u> <u>DVD-RW for DL Part1 Ver. 2.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1, 3.4.1.4-2
		4 (P)	<u>DVD-R Part1 Ver. 2.1</u> <u>DVD-R for DL</u> <u>Part1 Ver.3.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1  <u>DVD-RW Part 1 Ver1.2</u> <u>DVD-RW for DL Part1 Ver. 2.0</u> Sections 1.1, 3.4.1.4, 3.4.1.4.1 Tables 3.4.1.4.1-1 Figures 3.4.1.4-1, 3.4.1.4-2

Cross-reference Charts of Essential Counterpart Patents evaluated after year 2012

Toshiba Corporation  
DVD Essential Foreign Patents

Country	Patent No.	RAM			RW RW for DL			R R for DL			VR			ROM			Video			Audio			
		Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback	Recording	
NO	323,767 (JP ,2810,028)													Claim 1	Claim 6								
BR	PI 9606320-3 (JP 2,856,722)																Claim 3						
BR	PI 9606320-3 (JP 2,856,721)																Claim 4						
CN	ZL200610132036.0 (JP 2,848,809)			Claim 1																			
CN	ZL03142500.3 (JP 3,376,265)																					Claim 2	

Cross-reference Charts of Essential Counterpart Patents evaluated after year 2012

JVC KENWOOD Corporation  
DVD Essential Foreign Patents

Country	Patent No. (JP No.)	RAM			RW			R			RW for DL			R for DL			VR			ROM	
		Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback	Recording	Disc	Playback
DE	69936970.3 (JP 3,363,146)																Claim 1		Claim 5		
FR	1,014,718 (JP 3,363,146)																Claim 1		Claim 5		
GB	1,014,718 (JP 3,363,146)																Claim 1		Claim 5		

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**JVC KENWOOD Corporation**  
**DVD Essential Patents (Other than Japan)**

Country	Patent Nos.	Claim/ Category	Relevant sections of DVD Specification
FR GB DE	1,139,342 1,139,342 69727989.8	1 (P)	<p><u>DVD-ROM</u>  Sections 2.5.1, 2.7.2  Figures 2.5-1-1, 2.5-1-2, 2.5-2, 2.7.2-1</p> <p><u>DVD-R</u>  Sections 2.1.5, 2.1.5.1, 2.1.7.2  Figures 2.1.5-1, 2.2.7.1-1</p> <p><u>DVD-R for DL</u>  Sections 2.1.5, 2.1.5.1, 2.1.7.2  Figures 2.1.5-1, 2.2.7.1-1</p> <p><u>DVD-RW</u>  Sections 2.1.5, 2.1.5.1, 2.1.7.2  Figures 2.1.5-1, 2.2.7.1-1</p> <p><u>DVD-RW for DL</u>  Sections 2.1.5, 2.1.5.1, 2.1.7.2  Figures 2.1.5-1, 2.2.7.1-1</p> <p><u>DVD-RAM</u>  Sections 2.5.1, 2.7.4.2  Figures 2.5.1-1, 2.7.4.2-1  Commercially Essential</p>
FR GB DE	1,158,499 1,158,499 60144820.0	1 (D), 4 (R)	<p><u>DVD-RW</u>  Sections 3.4.1.4, Annex Y  Figures 3.4.1.4-1, Y-1</p> <p><u>DVD-RW for DL</u>  Sections 3.4.1.4, Annex NN  Figures 3.4.1.4-1, NN-1  Commercially Essential</p>

FR GB DE	1,489,603 1,489,603 60035441.5	5 (R)	<u>DVD-R for DL</u> Sections Annex L, T  Figure 4.3.1.1-1  Table 4.3.2.2.1.2-1  <u>DVD-RW for DL</u> Sections Annex L, T  Figure 4.3.1.1-1  Table 4.3.2.2.2-1
FR GB DE	1,560,208 1,560,208 602004024369.8	1 (R)	<u>DVD-R for General</u> Sections Annex L, AA.2  Figures L-5, AA.2-1  <u>DVD-R for DL</u> Sections Annex L, BB Figures L-6, BB-2
FR GB DE	1,596,374 1,596,374 602004034810.4	1 (R)	<u>6X-SPEED DVD-RW</u> Section 2.1.5.1  Figure 2.1.5.1-1  <u>DVD-RW for DL</u> Section 2.2.3.8.2 Figure 2.2.3.8.2-1
FR GB DE	1,667,126 1,667,126 60131206.6	1 (D), 3 (P)	<u>DVD-RW</u> Sections 1.2, 2.1.1, 2.1.3.2, 2.1.5.5, 2.1.8.2, 2.2.7.1,  Figures 2.2.1-1, 3.4.1.4-1
FR GB DE	1,667,127 1,667,127 60131207.4	1 (D), 3 (P)	<u>DVD-RW</u> Sections 1.2, 2.1.1, 2.1.3.2, 2.1.5.5, 2.1.8.2, 2.2.7.1,  Figures 2.2.1-1, 3.4.1.4-1

FR GB DE	1,811,510 1,811,510 60045964.0	5 (R)	<u>DVD-R for DL</u> Sections 4.3.1, 4.3.2.2,  Figure 4.3.1.1-1  Tables 4.3.2.2.1.1-1, 4.3.2.2.1.1-2  <u>DVD-RW for DL</u> Section Annex L  Figure 4.3.1.1-1  Table 4.3.2.2.2.2-1
FR GB DE	1,863,018 1,863,018 60140154.9	1 (D), 2 (P)	<u>DVD-RW</u> Sections 2.1.1, 2.1.3.2, 2.1.5.5, 2.1.8.2, 2.2.7.1, 3.4.1.4  Figures 2.2.1-1, 3.4.1.4-1
FR GB DE	1,863,019 1,863,019 60140277.4	1 (D), 2 (P)	<u>DVD-RW</u> Sections 1.6, 2.1.1, 2.1.3.2, 2.1.5.5, 2.1.8.2, 2.2.7.1,  Figures 2.2.1-1, 3.4.1.4-1
FR GB DE	1,863,020 1,863,020 60139731.2	1 (D), 2 (P)	<u>DVD-RW</u> Sections 2.1.1, 2.1.3.2, 2.1.5.5, 2.1.8.2, 2.2.7.1,  Figures 2.2.1-1, 3.4.1.4-1
FR GB DE	1,870,884 1,870,884 60140332.0	3 (D), 6 (P)	<u>DVD-RW</u> Sections 1.2, 2.1.1, 2.1.3.2, 2.1.5.5, 2.1.8.2, 2.2.7.1,  Figures 2.2.1-1, 3.4.1.4-1
FR GB DE	1,988,546 1,988,546 60043406.0	1 (D), 3 (P)	<u>DVD-RW</u> Sections 2.1.3.2, 2.1.5.5, 2.2.6.7, 2.2.7.1, 2.2.7.3  Figures 2.2.1-1, 4.2.1-3
FR GB DE	2,113,916 2,113,916 60044920.3	1 (D), 2 (P)	<u>DVD-RW</u> Sections 2.1.3.2, 2.1.5.5, 2.2.6.7, 2.2.7.1, 2.2.7.3  Figures 2.2.1-1, 4.2.1-3

FR GB DE	2,117,001 2,117,001 60144719.0	1 (D), 2 (P)	<u>DVD-RW</u> Sections 1.2, 2.1.1, 2.1.3.2, 2.1.5.5, 2.1.8.2, 2.2.7.1, Figures 2.2.1-1, 3.4.1.4-1
FR GB DE	2,234,107 2,234,107 60046124.6	1 (D), 3 (P)	<u>DVD-RW</u> Sections 1.2, 2.1.3.2, 2.1.5.5, 2.2.6.7, 2.2.7.1, 2.2.7.3, Figures 2.2.1-1, 3.4.1.4-1, 4.2.1-3



**Summary Reports of Essential Patents evaluated after Year 2012**

**JVC KENWOOD Corporation**  
**DVD Essential Patents (Other than Japan)**

Country	Patent Nos.	Claim/ Category	Relevant sections of DVD Specification
CN	ZL02156397.7	3 (R)	<p><u>DVD-R</u> Section L</p> <p><u>DVD-R 4X-SPEED</u> Table 3.2.2-1</p> <p><u>DVD-R for DL</u> Section L</p> <p><u>DVD-R for DL 4X-SPEED</u> Table 4.1.2-1</p> <p><u>DVD-R for DL 8X-SPEED</u> Table 4.1.2-1</p> <p><u>DVD-RW</u> Section L</p> <p><u>DVD-RW 2X-SPEED</u> Table 3.2.2-1</p> <p><u>DVD-RW 4X-SPEED</u> Table 4.2.2-1</p>
CN	ZL200480004581.0	1 (R)	<p><u>DVD-RW 6X-SPEED</u> Section 2.1.5.1</p> <p>Figure 2.1.5.1-1</p> <p><u>DVD-RW for DL</u> Section 2.2.3.8.2 Figure 2.2.3.8.2-1</p>
CN	ZL200510004684.3	1 (D), 2 (R)	<p><u>DVD-RW</u> Sections 1.6, 3.4.1.4, 4.1.1, 4.1.4.1, 4.2.1, 4.2.3.2, Figures 3.4.1.4-1, 4.2.1-1, 4.2.3.2-1, Y-1 Commercially Essential</p> <p><u>DVD-RW for DL</u> Sections 1.5, 3.4.1.4, 4.1.1, 4.1.4.1, 4.2.1, 4.2.3.2, Figures 3.4.1.4-1, 4.2.1-1, 4.2.3.2-1, NN-1 Commercially Essential</p>
CN	ZL200510065039.2	1 (D), 9 (R)	<p><u>DVD-R for DL</u> Sections 4.3.1, L, BB Figures 4.3.1.1-1, BB-1</p> <p><u>DVD-RW for DL</u> Sections 4.3.1, L, BB Figures 4.3.1.1-1, BB-1</p>

CN	ZL200510089462.6	1 (D), 2 (P)	<p><u>DVD-R</u> Sections 1.5, 3.4.1.4, 4.1.1, 4.1.4.1, 4.2.1, 4.2.3.2 Figures 4.2.1-1, 4.2.3.2-1 Commercially Essential</p> <p><u>DVD-R for DL</u> Sections 1.5, 3.4.1.4, 4.1.1, 4.1.4.1, 4.2.1, 4.2.3.2 Figures 4.2.1-1, 4.2.3.2-1 Commercially Essential</p> <p><u>DVD-RW</u> Sections 1.6, 3.4.1.4, 4.1.1, 4.1.4.1, 4.2.1, 4.2.3.2 Figures 3.4.1.4-1, 4.2.1-1, 4.2.3.2-1 Commercially Essential</p> <p><u>DVD-RW for DL</u> Sections 1.5, 3.4.1.4, 4.1.1, 4.1.4.1, 4.2.1, 4.2.3.2 Figures 3.4.1.4-1, 4.2.1-1, 4.2.3.2-1 Commercially Essential</p>
CN	ZL200510103761.0	1 (R)	<p><u>DVD-R for DL</u> Sections 4.3.2.2.2.8, HH.1 Figure HH.1-1 Table 4.3.2.2.2.8-1</p>
CN	ZL200610059721.5	1 (R)	<p><u>DVD-RW for DL</u> Sections 4.3.2.2.2.8, BB Figure BB-1 Table 4.3.2.2.2.8-1</p>
CN	ZL200610075221.0	3 (R)	<p><u>DVD-RW for DL</u> Sections 4.3.2.2.2.4-1, JJ Figures JJ.1-5, JJ.1-6 Table 4.3.2.2.2.4-1</p>

CN	ZL200610103134.1	2 (R)	<p><u>DVD-R</u> Figure 4.2.3.6-1</p> <p><u>DVD-R 2X-SPEED</u> Figure 4.1.2-1</p> <p><u>DVD-R 4X-SPEED</u> Figure 3.1.3-1</p> <p><u>DVD-R for DL</u> Figure 3.4.1.4.1.4-1</p> <p><u>DVD-R for DL 4X-SPEED</u> Figure 3.1.2.1-1</p> <p><u>DVD-R for DL 8X-SPEED</u> Figure 3.1.2.1-1</p> <p><u>DVD-RW</u> Figure 4.2.3.6-1</p> <p><u>DVD-RW 2X-SPEED</u> Figure 3.1.3-2</p> <p><u>DVD-RW 4X-SPEED</u> Figure 3.1.2.4-1</p>
CN	ZL200710169518.8	1 (R)	<p><u>DVD-R</u> Sections L, AA</p> <p><u>DVD-R 4X-SPEED</u> Table 3.2.2-1 Commercially Essential</p> <p><u>DVD-R for DL</u> Section L Figure 4.3.1-1</p> <p><u>DVD-R for DL 4X-SPEED</u> Table 4.1.2-1 Commercially Essential</p> <p><u>DVD-RW</u> Sections L, AA</p> <p><u>DVD-RW 2X-SPEED</u> Table 3.2.2-1 Commercially Essential</p>

CN	ZL200710188630.6	1 (R)	<u>DVD-R for DL</u> Sections L, GG.1 Figures AA.2-1, BB-4, FF.1-1, GG.1-1  <u>DVD-RW for DL</u> Sections L, GG.1 Figures AA.2-1, BB-3, FF.1-1, GG.1-1
CN	ZL200710188631.0	1 (R)	<u>DVD-R for DL</u> Sections L, BB, GG.1 Figures BB-4, GG.1-1  <u>DVD-RW for DL</u> Sections L, BB, GG.1 Figures BB-4, GG.1-1
CN	ZL200810083745.3	1 (R)	<u>DVD-RW 6x SPEED</u> Section 2.1.5.1 Figure 2.1.5.1-1  <u>DVD-RW for DL</u> Section 2.2.3.8.2 Figure 2.2.3.8.2-1
TW	313,455	1 (D), 2 (R)	<u>DVD-R for DL</u> Sections L, BB, GG.1 Figures BB-4, GG.1-1  <u>DVD-RW for DL</u> Sections L, BB, GG.1 Figures BB-4, GG.1-1