

**Hitachi Essential Patents For Disc**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No.</u> <u>(JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video</u> <u>Recording</u>	<u>DVD-ROM/Video</u>	<u>DVD-Audio</u>
DE (EP)	99,576	(JP No.2118506)	Essential (claim 12)					
FR (EP)	99,576	(JP No.2118506)	Essential (claim 12)					
GB (EP)	99,576	(JP No.2118506)	Essential (claim 12)					
NL (EP)	99,576	(JP No.2118506)	Essential (claim 12)					
CA	1,202,416	(JP No.2118506)	Essential (claim 3)					
NL	193,159	(JP No.2702907)	Essential (claim 1)					
DE	3,620,301	(JP No.2702907)	Essential (claim 1)					
KR	296,697	(JP No.2788022)	Essential (claim 1)					
DE (EP)	727,779	(JP No.2788022)	Essential (claim 1)					
FR (EP)	727,779	(JP No.2788022)	Essential (claim 1)					
GB (EP)	727,779	(JP No.2788022)	Essential (claim 1)					
PH	1-1996-52340	(JP No.2788022)	Essential (claim 1)					
DE (EP)	431,489	(JP No.2804130)					Essential (claim 2)	

FR (EP)	431,489	(JP No.2804130)					Essential (claim 2)	
GB (EP)	431,489	(JP No.2804130)					Essential (claim 2)	
NL (EP)	431,489	(JP No.2804130)					Essential (claim 2)	
VN	1,304	(JP No.2856390)	Essential (claim 1)					
TW	102,924	(JP No.2856390)	Essential (claim 1)					
KR	253,034	(JP No.2856390)	Essential (claim 1)					
CA	2,206,502	(JP No.2856390)	Essential (claim 1)					
CN	97,104,680.8	(JP No.2856390)	Essential (claim 1)					
TW	123,603	(JP No.3024625)	Essential (claim 1)					
TW	140,675	(JP No.3176581)	Essential (claim 1)					
DE (EP)	821,350	(JP No.3176581)	Essential (claim 1)					
FR (EP)	821,350	(JP No.3176581)	Essential (claim 1)					
GB (EP)	821,350	(JP No.3176581)	Essential (claim 1)					
DE (EP)	999,544	(JP No.3220128)	Essential (claim 5)					
FR (EP)	999,544	(JP No.3220128)	Essential (claim 5)					

GB (EP)	999,544	(JP No.3220128)	Essential (claim 5)					
TW	156,801	(JP No.3285029)	Essential (claim 1)					
SG	81,273	(JP No.3324575)	Essential (claim 1)					
TW	128,359	(JP No.3324575)	Essential (claim 1)					
KR	291,398	(JP No.3324575)	Essential (claim 1)					
KR	227,417	(JP No.3329979)				Essential (claim 1)	Essential (claim 1)	
DE (EP)	729,153	(JP No.3329979)					Essential (claim 1)	
FR (EP)	729,153	(JP No.3329979)					Essential (claim 1)	
GB (EP)	729,153	(JP No.3329979)					Essential (claim 1)	
DE (EP)	1,085,507	(JP No.3333743)	Essential (claim 7)					
FR (EP)	1,085,507	(JP No.3333743)	Essential (claim 7)					
GB (EP)	1,085,507	(JP No.3333743)	Essential (claim 7)					
KR	332,332	(JP No.3356991)				Essential (claim 1)		
TW	87,326	(JP No.3381627)					Essential (claim 1)	
KR	233,201	(JP No.3381627)					Essential (claim 1)	

CN	96,110,798.7	(JP No.3381627)					Essential (claim 1)	
KR	239,238	(JP No.3381628)					Essential (claim 1)	
DE (EP)	729,151	(JP No.3381628)					Essential (claim 1)	
FR (EP)	729,151	(JP No.3381628)					Essential (claim 1)	
GB (EP)	729,151	(JP No.3381628)					Essential (claim 1)	
DE (EP)	997,903	(JP No.3381628)					Essential (claim 1)	
FR (EP)	997,903	(JP No.3381628)					Essential (claim 1)	
GB (EP)	997,903	(JP No.3381628)					Essential (claim 1)	
DE (EP)	999,552	(JP No.3381628)	Essential (claim 1)				Essential (claim 1)	
FR (EP)	999,552	(JP No.3381628)	Essential (claim 1)				Essential (claim 1)	
GB (EP)	999,552	(JP No.3381628)	Essential (claim 1)				Essential (claim 1)	
CN	96,105,518.9	(JP No.3381628)					Essential (claim 1)	

**Hitachi Essential Patents For Player**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No. (JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video Recording</u>	<u>DVD-ROM/Video</u>	<u>DVD-Audio</u>
KR	309,325	(JP No.2804130)	Essential (claim 1)					
DE (EP)	431,489	(JP No.2804130)	Essential (claim 1)					
FR (EP)	431,489	(JP No.2804130)	Essential (claim 1)					
GB (EP)	431,489	(JP No.2804130)	Essential (claim 1)					
NL (EP)	431,489	(JP No.2804130)	Essential (claim 1)					
KR	324,848	(JP No.2916121)	Essential (claim 1)					
TW	156,801	(JP No.3285029)				Essential (claim 8)		
KR	227,417	(JP No.3329979)				Essential (claim 5)	Essential (claim 5)	
DE (EP)	729,153	(JP No.3329979)					Essential (claim 2)	
FR (EP)	729,153	(JP No.3329979)					Essential (claim 2)	
GB (EP)	729,153	(JP No.3329979)					Essential (claim 2)	
CN	95,116,825.8	(JP No.3377755)	Essential (claim 1)					
TW	87,326	(JP No.3381627)					Essential (claim 4)	

KR	233,201	(JP No.3381627)					Essential (claim 5)	
CN	96,110,798.7	(JP No.3381627)					Essential (claim 2)	
KR	239,236	(JP No.3381628)	Essential (claim 2)				Essential (claim 2)	
KR	239,238	(JP No.3381628)	Essential (claim 2)				Essential (claim 2)	
DE (EP)	997,903	(JP No.3381628)	Essential (claim 2)				Essential (claim 2)	
FR (EP)	997,903	(JP No.3381628)	Essential (claim 2)				Essential (claim 2)	
GB (EP)	997,903	(JP No.3381628)	Essential (claim 2)				Essential (claim 2)	
DE (EP)	999,552	(JP No.3381628)	Essential (claim 2)				Essential (claim 2)	
FR (EP)	999,552	(JP No.3381628)	Essential (claim 2)				Essential (claim 2)	
GB (EP)	999,552	(JP No.3381628)	Essential (claim 2)				Essential (claim 2)	
IN	188992 IN	(JP No.3381628)	Essential (claim 2)				Essential (claim 2)	

**Hitachi Essential Patents For Recorder**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No.</u> <u>(JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video</u> <u>Recording</u>	<u>DVD-Video</u>	<u>DVD-Audio</u>
VN	2,141	(JP No. 2856391)	Essential (claim 1)					
VN	2,142	(JP No. 2856391)	Essential (claim 5)					
DE	3,609,068	(JP No.2559362)	Essential (claim 1)					
KR	44,003	(JP No.2650940)	Essential (claim 1)					
DE	3,804,240	(JP No.2650940)	Essential (claim 1)					
KR	99,809	(JP No.2719130)	Essential (claim 1)					
DE (EP)	243,976	(JP No.2719130)	Essential (claim 1)					
FR (EP)	243,976	(JP No.2719130)	Essential (claim 1)					
GB (EP)	243,976	(JP No.2719130)	Essential (claim 1)					
DE (EP)	549,562	(JP No.2823152)	Essential (claim 1)					
FR (EP)	549,562	(JP No.2823152)	Essential (claim 1)					
GB (EP)	549,562	(JP No.2823152)	Essential (claim 1)					
TW	111,854	(JP No.2856390)	Essential (claim 25)					

TW	124,139	(JP No.2856391)	Essential (claim 3)					
KR	281,353	(JP No.2856391)	Essential (claim 1)					
CA	22,050,759	(JP No.2856391)	Essential (claim 3)					
DE (EP)	320,975	(JP No.3107297)	Essential (claim 1)					
FR (EP)	320,975	(JP No.3107297)	Essential (claim 1)					
GB (EP)	320,975	(JP No.3107297)	Essential (claim 1)					
DE (EP)	999,544	(JP No.3220128)	Essential (claim 1)					
FR (EP)	999,544	(JP No.3220128)	Essential (claim 1)					
GB (EP)	999,544	(JP No.3220128)	Essential (claim 1)					
KR	305,441	(JP No.3251553)	Essential (claim 1)					
TW	156,801	(JP No.3285029)					Essential (claim 6)	
DE (EP)	1,204,271	(JP No.3285029)					Essential (claim 1)	
FR (EP)	1,204,271	(JP No.3285029)					Essential (claim 1)	
GB (EP)	1,204,271	(JP No.3285029)					Essential (claim 1)	
NL (EP)	1,204,271	(JP No.3285029)					Essential (claim 1)	



DE (EP)	902,424	(JP No.3323782)	Essential (claim 1)					
FR (EP)	902,424	(JP No.3323782)	Essential (claim 1)					
GB (EP)	902,424	(JP No.3323782)	Essential (claim 1)					
CN	95,116,825.8	(JP No.3377755)	Essential (claim 1)					
KR	239,236	(JP No.3381628)	Essential (claim 1)					
DE (EP)	729,151	(JP No.3381628)	Essential (claim 1)					
FR (EP)	729,151	(JP No.3381628)	Essential (claim 1)					
GB (EP)	729,151	(JP No.3381628)	Essential (claim 1)					
DE (EP)	997,903	(JP No.3381628)	Essential (claim 1)					
FR (EP)	997,903	(JP No.3381628)	Essential (claim 1)					
GB (EP)	997,903	(JP No.3381628)	Essential (claim 1)					
CN	96,105,518.9	(JP No.3381628)	Essential (claim 1)					
IN	188992 IN	(JP No.3381628)	Essential (claim 1)					

**Panasonic Essential Patents For Disc**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No.</u> <u>(JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video</u> <u>Recording</u>	<u>DVD-ROM/Video</u>
IT (EP)	962,933	(JP No. 2997468)	Essential (claim 1)				
FR (EP)	977,187	(JP No. 3031382)	Essential (claim 1)				
GB (EP)	977,187	(JP No. 3031382)	Essential (claim 1)				
FR (EP)	987,692	(JP No. 3076033)	Essential (claim 1)				
FR (EP)	987,693	(JP No. 3076036)	Essential (claim 1)				
GB (EP)	987,693	(JP No. 3076036)	Essential (claim 1)				
DE (EP)	986,054	(JP No. 3076037)	Essential (claim 1)				
FR (EP)	986,054	(JP No. 3076037)	Essential (claim 1)				
GB (EP)	986,054	(JP No. 3076037)	Essential (claim 1)				
DE (EP)	987,695	(JP No. 3076038)	Essential (claim 1)				
FR (EP)	987,695	(JP No. 3076038)	Essential (claim 1)				
GB (EP)	987,695	(JP No. 3076038)	Essential (claim 1)				

GB (EP)	588,305	(JP No.2663817)	Essential (claim 1)				
NL (EP)	588,305	(JP No.2663817)	Essential (claim 1)				
FR (EP)	1,028,422	(JP No.3225035)				Essential (claim 1)	
KR	291,379	(JP No. 2702905)				Essential (claim 1)	
DE (EP)	867,874	(JP No. 2702905)				Essential (claim 1)	
FR (EP)	867,874	(JP No. 2702905)				Essential (claim 1)	
GB (EP)	867,874	(JP No. 2702905)				Essential (claim 1)	
KR	281,611	(JP No. 2742524)				Essential (claim 15)	
DE (EP)	<b>706,178</b>	(JP No. 2742524)				Essential (claim 17)	
FR (EP)	<b>706,178</b>	(JP No. 2742524)				Essential (claim 17)	
GB (EP)	<b>706,178</b>	(JP No. 2742524)				Essential (claim 17)	
NL (EP)	<b>706,178</b>	(JP No. 2742524)				Essential (claim 17)	
DE (EP)	962,933	(JP No. 2997468)	Essential (claim 1)				
FR (EP)	962,933	(JP No. 2997468)	Essential (claim 1)				

GB (EP)	962,933	(JP No. 2997468)	Essential (claim 1)				
DE (EP)	992,985	(JP No. 3025500)	Essential (claim 1)				
FR (EP)	992,985	(JP No. 3025500)	Essential (claim 1)				
GB (EP)	992,985	(JP No. 3025500)	Essential (claim 1)				
DE (EP)	992,986	(JP No. 3025501)	Essential (claim 1)				
FR (EP)	992,986	(JP No. 3025501)	Essential (claim 1)				
GB (EP)	992,986	(JP No. 3025501)	Essential (claim 1)				
DE (EP)	977,187	(JP No. 3031382)	Essential (claim 1)				
TW	104,567	(JP No. 3033063)	Essential (claim 12)				
DE (EP)	828,249	(JP No. 3033063)	Essential (claim 1)				
FR (EP)	828,249	(JP No. 3033063)	Essential (claim 1)				
GB (EP)	828,249	(JP No. 3033063)	Essential (claim 1)				
DE (EP)	807,929	(JP No. 3042780)	Essential (claim 1)				
FR (EP)	807,929	(JP No. 3042780)	Essential (claim 1)				

GB (EP)	807,929	(JP No. 3042780)	Essential (claim 1)				
TW	111,068	(JP No. 3044023)	Essential (claim 1)				
DE (EP)	961,272	(JP No. 3044023)	Essential (claim 1)				
FR (EP)	961,272	(JP No. 3044023)	Essential (claim 1)				
GB (EP)	961,272	(JP No. 3044023)	Essential (claim 1)				
IT (EP)	961,272	(JP No. 3044023)	Essential (claim 1)				
SG	56,104	(JP No. 3062501)	Essential (claim 23)				
TW	106,943	(JP No. 3068093)	Essential (claim 1)				
DE (EP)	893,792	(JP No. 3068093)	Essential (claim 1,2)				
FR (EP)	893,792	(JP No. 3068093)	Essential (claim 1,2)				
GB (EP)	893,792	(JP No. 3068093)	Essential (claim 1,2)				
DE (EP)	895,226	(JP No. 3073204)	Essential (claim 1)				
FR (EP)	895,226	(JP No. 3073204)	Essential (claim 1)				
GB (EP)	895,226	(JP No. 3073204)	Essential (claim 1)				

DE (EP)	987,692	(JP No. 3076033)	Essential (claim 1)				
GB (EP)	987,692	(JP No. 3076033)	Essential (claim 1)				
DE (EP)	987,693	(JP No. 3076036)	Essential (claim 1)				
DE (EP)	1,003,162	(JP No. 3089600)	Essential (claim 1)				
FR (EP)	1,003,162	(JP No. 3089600)	Essential (claim 1)				
GB (EP)	1,003,162	(JP No. 3089600)	Essential (claim 1)				
SG	65,183	(JP No. 3092707)	Essential (claim 1)				
DE (EP)	896,331	(JP No. 3097849)	Essential (claim 1)				
FR (EP)	896,331	(JP No. 3097849)	Essential (claim 1)				
GB (EP)	896,331	(JP No. 3097849)	Essential (claim 1)				
DE (EP)	971,348	(JP No. 3097850)	Essential (claim 1)				
FR (EP)	971,348	(JP No. 3097850)	Essential (claim 1)				
GB (EP)	971,348	(JP No. 3097850)	Essential (claim 1)				
SG	55,607	(JP No. 3097851)	Essential (claim 37)				

TW	106,408	(JP No. 3097851)	Essential (claim 37)				
DE (EP)	977,199	(JP No. 3097851)	Essential (claim 1)				
FR (EP)	977,199	(JP No. 3097851)	Essential (claim 1)				
GB (EP)	977,199	(JP No. 3097851)	Essential (claim 1)				
DE (EP)	1,005,034	(JP No. 3097916)	Essential (claim 1)				
FR (EP)	1,005,034	(JP No. 3097916)	Essential (claim 1)				
GB (EP)	1,005,034	(JP No. 3097916)	Essential (claim 1)				
DE (EP)	984,441	(JP No. 3099009)	Essential (claim 1)				
FR (EP)	984,441	(JP No. 3099009)	Essential (claim 1)				
GB (EP)	984,441	(JP No. 3099009)	Essential (claim 1)				
IT (EP)	984,441	(JP No. 3099009)	Essential (claim 1)				
NL (EP)	984,441	(JP No. 3099009)	Essential (claim 1)				
DE (EP)	987,697	(JP No. 3099010)	Essential (claim 1)				
FR (EP)	987,697	(JP No. 3099010)	Essential (claim 1)				

GB (EP)	987,697	(JP No. 3099010)	Essential (claim 1)				
IT (EP)	987,697	(JP No. 3099010)	Essential (claim 1)				
NL (EP)	987,697	(JP No. 3099010)	Essential (claim 1)				
CA	2,028,544	(JP No.2503300)				Essential (claim 1)	
DE (EP)	855,702	(JP No.2616596)	Essential (claim 4)				
FR (EP)	855,702	(JP No.2616596)	Essential (claim 4)				
GB (EP)	855,702	(JP No.2616596)	Essential (claim 4)				
KR	PR232048	(JP No.2616596)	Essential (claim 1)				
DE (EP)	588,305	(JP No.2663817)	Essential (claim 1)				
FR (EP)	588,305	(JP No.2663817)	Essential (claim 1)				
DE (EP)	757,343	(JP No.2788789)	Essential (claim 1)				
FR (EP)	757,343	(JP No.2788789)	Essential (claim 1)				
GB (EP)	757,343	(JP No.2788789)	Essential (claim 1)				
HK	1,016,819	(JP No.2788789)	Essential (claim 1)				



DE (EP)	997,904	(JP No.3029835)	Essential (claim 1)				
FR (EP)	997,904	(JP No.3029835)	Essential (claim 1)				
GB (EP)	997,904	(JP No.3029835)	Essential (claim 1)				
IT (EP)	997,904	(JP No.3029835)	Essential (claim 1)				
NL (EP)	997,904	(JP No.3029835)	Essential (claim 1)				
VN	2,507	(JP No.3042780)				Essential (claim 1)	
MX	204,653	(JP No.3042780)				Essential (claim 1)	
KR	354,674	(JP No.3042780)				Essential (claim 1)	
DE (EP)	807,929	(JP No.3042780)				Essential (claim 1)	
FR (EP)	807,929	(JP No.3042780)				Essential (claim 1)	
GB (EP)	807,929	(JP No.3042780)				Essential (claim 1)	
HK	1,005,110	(JP No.3042780)				Essential (claim 1)	
ID	ID5794	(JP No.3042780)				Essential (claim 1)	
TW	111,068	(JP No.3044023)	Essential (claim 1)				

KR	328,886	(JP No.3044023)	Essential (claim 1)				
DE (EP)	893,792	(JP No.3068093)	Essential (claim 1)				
FR (EP)	893,792	(JP No.3068093)	Essential (claim 1)				
GB (EP)	893,792	(JP No.3068093)	Essential (claim 1)				
HK	1,017,941	(JP No.3068093)	Essential (claim 1)				
MX	211,864	(JP No.3073204)	Essential (claim 1)				
DE (EP)	1,011,098	(JP No.3073205)	Essential (claim 1)				
FR (EP)	1,011,098	(JP No.3073205)	Essential (claim 1)				
GB (EP)	1,011,098	(JP No.3073205)	Essential (claim 1)				
DE (EP)	987,692	(JP No.3076033)	Essential (claim 1)				
FR (EP)	987,692	(JP No.3076033)	Essential (claim 1)				
GB (EP)	987,692	(JP No.3076033)	Essential (claim 1)				
DE (EP)	987,693	(JP No.3076036)	Essential (claim 1)				
FR (EP)	987,693	(JP No.3076036)	Essential (claim 1)				

GB (EP)	987,693	(JP No.3076036)	Essential (claim 1)				
SG	79,058	(JP No.3076037)	Essential				
DE (EP)	986,054	(JP No.3076037)	Essential (claim 1)				
FR (EP)	986,054	(JP No.3076037)	Essential (claim 1)				
GB (EP)	986,054	(JP No.3076037)	Essential (claim 1)				
DE (EP)	987,695	(JP No.3076038)	Essential (claim 1)				
FR (EP)	987,695	(JP No.3076038)	Essential (claim 1)				
GB (EP)	987,695	(JP No.3076038)	Essential (claim 1)				
DE (EP)	1,003,162	(JP No.3089600)				Essential (claim 1)	
FR (EP)	1,003,162	(JP No.3089600)				Essential (claim 1)	
GB (EP)	1,003,162	(JP No.3089600)				Essential (claim 1)	
TW	167,412	(JP No.3090320)	Essential (claim 1)				
DE (EP)	1,026,681	(JP No.3090320)	Essential (claim 1)				
FR (EP)	1,026,681	(JP No.3090320)	Essential (claim 1)				

GB (EP)	1,026,681	(JP No.3090320)	Essential (claim 1)				
VN	2,452	(JP No.3090661)	Essential (claim 1)				
SG	56,878	(JP No.3090661)	Essential (claim 1)				
KR	317,596	(JP No.3090661)	Essential (claim 1)				
DE (EP)	1,011,097	(JP No.3090661)	Essential (claim 1)				
FR (EP)	1,011,097	(JP No.3090661)	Essential (claim 1)				
GB (EP)	1,011,097	(JP No.3090661)	Essential (claim 1)				
DE (EP)	1,022,727	(JP No.3090662)	Essential (claim 1)				
FR (EP)	1,022,727	(JP No.3090662)	Essential (claim 1)				
GB (EP)	1,022,727	(JP No.3090662)	Essential (claim 1)				
KR	305,131	(JP No.3092707)	Essential (claim 1)				
VN	3,002	(JP No.3097849)	Essential (claim 1)				
KR	302,900	(JP No.3097849)	Essential (claim 1)				
HK	1,017,123	(JP No.3097849)	Essential (claim 1)				

DE (EP)	1,005,033	(JP No.3097917)				Essential (claim 1)	
FR (EP)	1,005,033	(JP No.3097917)				Essential (claim 1)	
GB (EP)	1,005,033	(JP No.3097917)				Essential (claim 1)	
SG	53,836	(JP No.3097918)	Essential (claim 1)				
CN	97,191,924	(JP No.3097918)	Essential (claim 1)				
DE (EP)	987,694	(JP No.3100961)	Essential (claim 1)				
FR (EP)	987,694	(JP No.3100961)	Essential (claim 1)				
GB (EP)	987,694	(JP No.3100961)	Essential (claim 1)				
DE (EP)	994,480	(JP No.3152651)			Essential (claim 1)		
FR (EP)	994,480	(JP No.3152651)			Essential (claim 1)		
GB (EP)	994,480	(JP No.3152651)			Essential (claim 1)		
IT (EP)	994,480	(JP No.3152651)			Essential (claim 1)		
NL (EP)	994,480	(JP No.3152651)			Essential (claim 1)		
ID	ID9369	(JP No.3152651)			Essential (claim 1)		

DE (EP)	1,087,402	(JP No.3152654)			Essential (claim 1)		
FR (EP)	1,087,402	(JP No.3152654)			Essential (claim 1)		
GB (EP)	1,087,402	(JP No.3152654)			Essential (claim 1)		
IT (EP)	1,087,402	(JP No.3152654)			Essential (claim 1)		
NL (EP)	1,087,402	(JP No.3152654)			Essential (claim 1)		
TW	102,795	(JP No.3160298)	Essential (claim 7)				
MX	205,494	(JP No.3160298)	Essential (claim 8)				
KR	305,996	(JP No.3160298)	Essential (claim 9)				
DE (EP)	929,892	(JP No.3160298)	Essential (claim 1)				
FR (EP)	929,892	(JP No.3160298)	Essential (claim 1)				
GB (EP)	929,892	(JP No.3160298)	Essential (claim 1)				
NL (EP)	929,892	(JP No.3160298)	Essential (claim 1)				
TW	150,744	(JP No.3171584)	Essential (claim 1)				
TW	168,229	(JP No.3183874)		Essential (claim 1)			

DE (EP)	1,028,422	(JP No.3225035)				Essential (claim 1)	
GB (EP)	1,028,422	(JP No.3225035)				Essential (claim 1)	
DE (EP)	1,030,297	(JP No.3225036)				Essential (claim 1)	
FR (EP)	1,030,297	(JP No.3225036)				Essential (claim 1)	
GB (EP)	1,030,297	(JP No.3225036)				Essential (claim 1)	
DE (EP)	1,005,035	(JP No.3246731)				Essential (claim 1)	
FR (EP)	1,005,035	(JP No.3246731)				Essential (claim 1)	
GB (EP)	1,005,035	(JP No.3246731)				Essential (claim 1)	
TW	120,924	(JP No.3334795)					Essential (claim 1)
KR	329,311	(JP No.3334795)					Essential (claim 1)
DE (EP)	942,609	(JP No.3334795)					Essential (claim 1)
FR (EP)	942,609	(JP No.3334795)					Essential (claim 1)
GB (EP)	942,609	(JP No.3334795)					Essential (claim 1)
IT (EP)	942,609	(JP No.3334795)					Essential (claim 1)

NL (EP)	942,609	(JP No.3334795)					Essential (claim 1)
MX	210093	(JP No.3334795)					Essential (claim 1)
SG	77,297	(JP No.3334799)					Essential (claim 1)
AU	746,394	(JP No.3334799)					Essential (claim 1)
DE (EP)	1,041,566	(JP No.3334799)					Essential (claim 1)
FR (EP)	1,041,566	(JP No.3334799)					Essential (claim 1)
GB (EP)	1,041,566	(JP No.3334799)					Essential (claim 1)
DE (EP)	1,164,801	(JP No.3334802)					Essential (claim 1)
FR (EP)	1,164,801	(JP No.3334802)					Essential (claim 1)
GB (EP)	1,164,801	(JP No.3334802)					Essential (claim 1)
IT (EP)	1,164,801	(JP No.3334802)					Essential (claim 1)
NL (EP)	1,164,801	(JP No.3334802)					Essential (claim 1)
VN	2,619	(JP No.3357374)					Essential (claim 11)
SG	39,108	(JP No.3357374)					Essential (claim 11)



TW	82,934	(JP No.3357374)				Essential (claim 11)	
AU	706,245	(JP No.3357374)				Essential (claim 11)	
AT (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
BE (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
CH (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
DE (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
DK (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
ES (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
FI (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
FR (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
GB (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
GR (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
IE (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
IT (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	

LI (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
LU (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
NL (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
SE (EP)	763,283	(JP No.3357374)				Essential (claim 1, 13)	
RU	2,154,897	(JP No.3357374)				Essential (claim 11)	

**Panasonic Essential Patents For Player**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No.</u> <u>(JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video</u> <u>Recording</u>	<u>DVD-ROM/Video</u>	<u>DVD-Audio</u>
GB (EP)	1,041,566	(JP No.3334799)						Essential (claim 3)
GB (EP)	1,164,801	(JP No.3334802)						Essential (claim 2)
NL (EP)	1,164,801	(JP No.3334802)						Essential (claim 2)
GB (EP)	807,929	(JP No. 3042780)	Essential (claim 3)					
GB (EP)	889,472	(JP No. 3061799)	Essential (claim 1)					
DE (EP)	964,398	(JP No. 3061800)	Essential (claim 1)					
FR (EP)	964,398	(JP No. 3061800)	Essential (claim 1)					
GB (EP)	964,398	(JP No. 3061800)	Essential (claim 1)					
DE (EP)	895,226	(JP No. 3073204)	Essential (claim 3)					
FR (EP)	895,226	(JP No. 3073204)	Essential (claim 3)					
GB (EP)	895,226	(JP No. 3073204)	Essential (claim 3)					
DE (EP)	987,692	(JP No. 3076033)	Essential (claim 7)					
FR (EP)	987,692	(JP No. 3076033)	Essential (claim 7)					

GB (EP)	987,692	(JP No. 3076033)	Essential (claim 7)					
DE (EP)	987,693	(JP No. 3076036)	Essential (claim 7)					
FR (EP)	987,693	(JP No. 3076036)	Essential (claim 7)					
GB (EP)	987,693	(JP No. 3076036)	Essential (claim 7)					
DE (EP)	986,054	(JP No. 3076037)	Essential (claim 14)					
FR (EP)	986,054	(JP No. 3076037)	Essential (claim 14)					
GB (EP)	986,054	(JP No. 3076037)	Essential (claim 14)					
DE (EP)	987,695	(JP No. 3076038)	Essential (claim 13)					
FR (EP)	987,695	(JP No. 3076038)	Essential (claim 13)					
GB (EP)	987,695	(JP No. 3076038)	Essential (claim 13)					
DE (EP)	896,331	(JP No. 3097849)	Essential (claim 6)					
FR (EP)	896,331	(JP No. 3097849)	Essential (claim 6)					
GB (EP)	896,331	(JP No. 3097849)	Essential (claim 6)					
DE (EP)	971,348	(JP No. 3097850)	Essential (claim 7)					
FR (EP)	971,348	(JP No. 3097850)	Essential (claim 7)					

GB (EP)	971,348	(JP No. 3097850)	Essential (claim 7)					
SG	55,607	(JP No. 3097851)	Essential (claim 36)					
TW	106,408	(JP No. 3097851)	Essential (claim 36)					
DE (EP)	977,199	(JP No. 3097851)	Essential (claim 6)					
FR (EP)	977,199	(JP No. 3097851)	Essential (claim 6)					
GB (EP)	977,199	(JP No. 3097851)	Essential (claim 6)					
DE (EP)	1,041,565	(JP No. 3159692)				Essential (claim 9)		
FR (EP)	1,041,565	(JP No. 3159692)				Essential (claim 9)		
GB (EP)	1,041,565	(JP No. 3159692)				Essential (claim 9)		
IT (EP)	1,041,565	(JP No. 3159692)				Essential (claim 9)		
NL (EP)	1,041,565	(JP No. 3159692)				Essential (claim 9)		
KR	PR40011	(JP No.1910415)	Essential (claim 1)					
DE (EP)	588,305	(JP No.2663817)	Essential (claim 16)					
FR (EP)	588,305	(JP No.2663817)	Essential (claim 16)					
GB (EP)	588,305	(JP No.2663817)	Essential (claim 16)					

NL (EP)	588,305	(JP No.2663817)	Essential (claim 16)					
DE (EP)	814,463	(JP No.3023310)	Essential (claim 1)					
FR (EP)	814,463	(JP No.3023310)	Essential (claim 1)					
GB (EP)	814,463	(JP No.3023310)	Essential (claim 1)					
DE (EP)	757,343	(JP No.3025472)	Essential (claim 9)					
FR (EP)	757,343	(JP No.3025472)	Essential (claim 9)					
GB (EP)	757,343	(JP No.3025472)	Essential (claim 9)					
HK	1,016,819	(JP No.3025472)	Essential (claim 9)					
CN	96,190,104.7	(JP No.3025472)	Essential (claim 9)					
DE (EP)	977,187	(JP No.3031382)	Essential (claim 2)					
FR (EP)	977,187	(JP No.3031382)	Essential (claim 2)					
GB (EP)	977,187	(JP No.3031382)	Essential (claim 2)					
DE (EP)	955,630	(JP No.3036639)	Essential (claim 1)					
FR (EP)	955,630	(JP No.3036639)	Essential (claim 1)					
GB (EP)	955,630	(JP No.3036639)	Essential (claim 1)					

VN	2,507	(JP No.3042780)					Essential (claim 3)	
MX	204,653	(JP No.3042780)					Essential (claim 3)	
KR	354,674	(JP No.3042780)					Essential (claim 3)	
DE (EP)	807,929	(JP No.3042780)					Essential (claim 3)	
DE (EP)	807,929	(JP No.3042780)	Essential (claim 3)					
FR (EP)	807,929	(JP No.3042780)					Essential (claim 3)	
FR (EP)	807,929	(JP No.3042780)	Essential (claim 3)					
GB (EP)	807,929	(JP No.3042780)					Essential (claim 3)	
HK	1,005,110	(JP No.3042780)					Essential (claim 3)	
ID	ID5794	(JP No.3042780)					Essential (claim 3)	
TW	132,734	(JP No.3050318)				Essential (claim 12)		
DE (EP)	889,472	(JP No.3061799)	Essential (claim 1)					
FR (EP)	889,472	(JP No.3061799)	Essential (claim 1)					
DE (EP)	905,699	(JP No.3069324)				Essential (claim 1)		
FR (EP)	905,699	(JP No.3069324)				Essential (claim 1)		

GB (EP)	905,699	(JP No.3069324)				Essential (claim 1)		
IT (EP)	905,699	(JP No.3069324)				Essential (claim 1)		
MX	211,864	(JP No.3073204)	Essential (claim 3)					
DE (EP)	1,011,098	(JP No.3073205)	Essential (claim 3)					
FR (EP)	1,011,098	(JP No.3073205)	Essential (claim 3)					
GB (EP)	1,011,098	(JP No.3073205)	Essential (claim 3)					
DE (EP)	987,692	(JP No.3076033)	Essential (claim 7)					
FR (EP)	987,692	(JP No.3076033)	Essential (claim 7)					
GB (EP)	987,692	(JP No.3076033)	Essential (claim 7)					
DE (EP)	987,693	(JP No.3076036)	Essential (claim 7)					
FR (EP)	987,693	(JP No.3076036)	Essential (claim 7)					
GB (EP)	987,693	(JP No.3076036)	Essential (claim 7)					
SG	79,058	(JP No.3076037)	Essential (claim 32)					
DE (EP)	986,054	(JP No.3076037)	Essential (claim 14)					
FR (EP)	986,054	(JP No.3076037)	Essential (claim 14)					



GB (EP)	986,054	(JP No.3076037)	Essential (claim 14)					
DE (EP)	987,695	(JP No.3076038)	Essential (claim 13)					
FR (EP)	987,695	(JP No.3076038)	Essential (claim 13)					
GB (EP)	987,695	(JP No.3076038)	Essential (claim 13)					
DE (EP)	1,031,974	(JP No.3089601)					Essential (claim 1)	
FR (EP)	1,031,974	(JP No.3089601)					Essential (claim 1)	
GB (EP)	1,031,974	(JP No.3089601)					Essential (claim 1)	
VN	2,452	(JP No.3090661)	Essential (claim 6)					
SG	56,878	(JP No.3090661)	Essential (claim 6)					
KR	317,596	(JP No.3090661)	Essential (claim 6)					
DE (EP)	1,011,097	(JP No.3090661)	Essential (claim 2)					
FR (EP)	1011097	(JP No.3090661)	Essential (claim 2)					
GB (EP)	1,011,097	(JP No.3090661)	Essential (claim 2)					
DE (EP)	1,022,727	(JP No.3090662)	Essential (claim 2)					
FR (EP)	1,022,727	(JP No.3090662)	Essential (claim 2)					

GB (EP)	1,022,727	(JP No.3090662)	Essential (claim 2)					
DE (EP)	1,005,033	(JP No.3097917)					Essential (claim 4)	
FR (EP)	1,005,033	(JP No.3097917)					Essential (claim 4)	
GB (EP)	1,005,033	(JP No.3097917)					Essential (claim 4)	
DE (EP)	987,694	(JP No.3100961)	Essential (claim 13)					
FR (EP)	987,694	(JP No.3100961)	Essential (claim 13)					
GB (EP)	987,694	(JP No.3100961)	Essential (claim 13)					
TW	110,186	(JP No.3114969)						Essential (claim 4)
SG	70,808	(JP No.3114971)						Essential (claim 3)
TW	114,345	(JP No.3114971)						Essential (claim 3)
AU	App.85606/98	(JP No.3114971)						Essential (claim 3)
DE (EP)	1,030,307	(JP No.3137624)					Essential (claim 3)	
FR (EP)	1,030,307	(JP No.3137624)					Essential (claim 3)	
GB (EP)	1,030,307	(JP No.3137624)					Essential (claim 3)	
DE (EP)	1,035,546	(JP No.3137626)					Essential (claim 1)	

FR (EP)	1,035,546	(JP No.3137626)				Essential (claim 1)		
GB (EP)	1,035,546	(JP No.3137626)				Essential (claim 1)		
DE (EP)	994,480	(JP No.3152651)				Essential (claim 6)		
FR (EP)	994,480	(JP No.3152651)				Essential (claim 6)		
GB (EP)	994,480	(JP No.3152651)				Essential (claim 6)		
IT (EP)	994,480	(JP No.3152651)				Essential (claim 6)		
NL (EP)	994,480	(JP No.3152651)				Essential (claim 6)		
ID	ID9369	(JP No.3152651)				Essential (claim 6)		
DE (EP)	1,087,402	(JP No.3152654)				Essential (claim 3)		
FR (EP)	1,087,402	(JP No.3152654)				Essential (claim 3)		
GB (EP)	1,087,402	(JP No.3152654)				Essential (claim 3)		
IT (EP)	1,087,402	(JP No.3152654)				Essential (claim 3)		
NL (EP)	1,087,402	(JP No.3152654)				Essential (claim 3)		
DE (EP)	1,043,724	(JP No.3154703)				Essential (claim 7)		
FR (EP)	1,043,724	(JP No.3154703)				Essential (claim 7)		



KR	329,311	(JP No.3334795)						Essential (claim 7)
DE (EP)	942,609	(JP No.3334795)						Essential (claim 4)
FR (EP)	942,609	(JP No.3334795)						Essential (claim 4)
GB (EP)	942,609	(JP No.3334795)						Essential (claim 4)
IT (EP)	942,609	(JP No.3334795)						Essential (claim 4)
NL (EP)	942,609	(JP No.3334795)						Essential (claim 4)
MX	210093	(JP No.3334795)						Essential (claim 7)
SG	77,297	(JP No.3334799)						Essential (claim 3)
AU	746,394	(JP No.3334799)						Essential (claim 3)
DE (EP)	1,041,566	(JP No.3334799)						Essential (claim 3)
FR (EP)	1,041,566	(JP No.3334799)						Essential (claim 3)
DE (EP)	1,164,801	(JP No.3334802)						Essential (claim 2)
FR (EP)	1,164,801	(JP No.3334802)						Essential (claim 2)
IT (EP)	1,164,801	(JP No.3334802)						Essential (claim 2)
VN	2,619	(JP No.3357374)					Essential (claim 10)	

SG	39,108	(JP No.3357374)					Essential (claim 10)	
TW	82,934	(JP No.3357374)					Essential (claim 10)	
AU	706,245	(JP No.3357374)					Essential (claim 10)	
AT (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
BE (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
CH (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
DE (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
DK (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
ES (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
FI (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
FR (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
GB (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
GR (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
IE (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
IT (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	

LI (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
LU (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
NL (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
SE (EP)	763,283	(JP No.3357374)					Essential (claim 1,12)	
RU	2,154,897	(JP No.3357374)					Essential (claim 10)	

**Panasonic Essential Patents For Recorder**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No.</u> <u>(JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video</u> <u>Recording</u>	<u>DVD-Video</u>	<u>DVD-Audio</u>
SG	53,836	(JP No. 3097918)	Essential (claim 2)					
DE (EP)	997,880	(JP No.3023310)	Essential (claim 1)					
FR (EP)	997,880	(JP No.3023310)	Essential (claim 1)					
GB (EP)	997,880	(JP No.3023310)	Essential (claim 1)					
HK	1,016,819	(JP No.3025472)	Essential (claim 9)					
DE (EP)	955,630	(JP No.3025498)	Essential (claim 1)					
FR (EP)	955,630	(JP No.3025498)	Essential (claim 1)					
GB (EP)	955,630	(JP No.3025498)	Essential (claim 1)					
DE (EP)	997,904	(JP No.3029835)	Essential (claim 6)					
FR (EP)	997,904	(JP No.3029835)	Essential (claim 6)					
GB (EP)	997,904	(JP No.3029835)	Essential (claim 6)					
IT (EP)	997,904	(JP No.3029835)	Essential (claim 6)					
NL (EP)	997,904	(JP No.3029835)	Essential (claim 6)					



DE (EP)	814,463	(JP No.3036638)	Essential (claim 1)					
FR (EP)	814,463	(JP No.3036638)	Essential (claim 1)					
GB (EP)	814,463	(JP No.3036638)	Essential (claim 1)					
DE (EP)	997,877	(JP No.3036638)	Essential (claim 1)					
FR (EP)	997,877	(JP No.3036638)	Essential (claim 1)					
GB (EP)	997,877	(JP No.3036638)	Essential (claim 1)					
DE (EP)	997,878	(JP No.3036638)	Essential (claim 1)					
FR (EP)	997,878	(JP No.3036638)	Essential (claim 1)					
GB (EP)	997,878	(JP No.3036638)	Essential (claim 1)					
DE (EP)	997,879	(JP No.3036639)	Essential (claim 1)					
FR (EP)	997,879	(JP No.3036639)	Essential (claim 1)					
GB (EP)	997,879	(JP No.3036639)	Essential (claim 1)					
DE (EP)	997,881	(JP No.3036640)	Essential (claim 1)					
FR (EP)	997,881	(JP No.3036640)	Essential (claim 1)					
GB (EP)	997,881	(JP No.3036640)	Essential (claim 1)					

DE (EP)	997,883	(JP No.3036641)	Essential (claim 1)					
FR (EP)	997,883	(JP No.3036641)	Essential (claim 1)					
GB (EP)	997,883	(JP No.3036641)	Essential (claim 1)					
DE (EP)	997,887	(JP No.3036641)	Essential (claim 1)					
FR (EP)	997,887	(JP No.3036641)	Essential (claim 1)					
GB (EP)	997,887	(JP No.3036641)	Essential (claim 1)					
DE (EP)	889,472	(JP No.3061799)	Essential (claim 1)					
FR (EP)	889,472	(JP No.3061799)	Essential (claim 1)					
GB (EP)	889,472	(JP No.3061799)	Essential (claim 1)					
CN	97,193,133	(JP No.3061799)	Essential (claim 1)					
DE (EP)	964,398	(JP No.3061800)	Essential (claim 1)					
FR (EP)	964,398	(JP No.3061800)	Essential (claim 1)					
GB (EP)	964,398	(JP No.3061800)	Essential (claim 1)					
TW	167,412	(JP No.3090320)	Essential (claim 51)					
DE (EP)	1,026,681	(JP No.3090320)	Essential (claim 3)					

FR (EP)	1,026,681	(JP No.3090320)	Essential (claim 3)					
GB (EP)	1,026,681	(JP No.3090320)	Essential (claim 3)					
DE (EP)	997,882	(JP No.3094027)	Essential (claim 1)					
FR (EP)	997,882	(JP No.3094027)	Essential (claim 1)					
GB (EP)	997,882	(JP No.3094027)	Essential (claim 1)					
VN	3,002	(JP No.3097849)	Essential (claim 6)					
KR	302,900	(JP No.3097849)	Essential (claim 7)					
HK	1,017,123	(JP No.3097849)	Essential (claim 6)					
CN	97,191,924	(JP No.3097918)	Essential (claim 2)					
TW	150,744	(JP No.3171584)	Essential (claim 78)					
TW	168,229	(JP No.3183874)	Essential (claim 16)					
VN	2,480	(JP No.3218235)	Essential (claim 1)					
SG	42,594	(JP No.3218235)	Essential (claim 1)					
TW	104,053	(JP No.3218235)	Essential (claim 1)					
MY	113,691	(JP No.3218235)	Essential (claim 1)					

DE (EP)	797,193	(JP No.3218235)	Essential (claim 1)					
FR (EP)	797,193	(JP No.3218235)	Essential (claim 1)					
GB (EP)	797,193	(JP No.3218235)	Essential (claim 1)					
DE (EP)	991,059	(JP No.3218235)	Essential (claim 1)					
FR (EP)	991,059	(JP No.3218235)	Essential (claim 1)					
GB (EP)	991,059	(JP No.3218235)	Essential (claim 1)					

**Mitsubishi Essential Patents For Disc**

<b><u>Country</u></b>	<b><u>Patent No.</u></b>	<b><u>Patent No.</u> <b>(JP No.)</b></b>	<b><u>DVD-RAM</u></b>	<b><u>DVD-RW</u></b>	<b><u>DVD-R</u></b>	<b><u>DVD-Video</u> <u>Recording</u></b>	<b><u>DVD-ROM/Video</u></b>	<b><u>DVD-Audio</u></b>
KR	255,250	(JP No. 3375616)	Essential (claim 7)				Essential (claim 8)	Essential (claim 8)

**Mitsubishi Essential Patents For Player**

<b><u>Country</u></b>	<b><u>Patent No.</u></b>	<b><u>Patent No.</u> <b>(JP No.)</b></b>	<b><u>DVD-RAM</u></b>	<b><u>DVD-RW</u></b>	<b><u>DVD-R</u></b>	<b><u>DVD-Video</u> <b>Recording</b></b>	<b><u>DVD-ROM/Video</u></b>	<b><u>DVD-Audio</u></b>
CN	95,109,114	(JP No. 3375615)					Essential (claim 7, 11)	
CN	95,119,130	(JP No. 3375431)				Essential (claim 2, 3)		

**Mitsubishi Essential Patents For Recorder**

<b><u>Country</u></b>	<b><u>Patent No.</u></b>	<b><u>Patent No.</u> <b>(JP No.)</b></b>	<b><u>DVD-RAM</u></b>	<b><u>DVD-RW</u></b>	<b><u>DVD-R</u></b>	<b><u>DVD-Video</u> <b>Recording</b></b>	<b><u>DVD-ROM/Video</u></b>	<b><u>DVD-Audio</u></b>
FR (EP)	789,494	(JP No. 2545302)				Essential (claim 1)		
GB (EP)	789,494	(JP No. 2545302)				Essential (claim 1)		
NL (EP)	789,494	(JP No. 2545302)				Essential (claim 1)		
CN	95,119,130	(JP No. 3375431)				Essential (claim 1)	Essential (claim 1)	
CN	95,109,114	(JP No. 3375616)					Essential (claim 1, 3, 4, 6)	
DE	69,033,946.1	(JP No.2545302)				Essential (claim 1)		

**Sharp Essential Patents For Player**

<b><u>Country</u></b>	<b><u>Patent No.</u></b>	<b><u>Patent No.</u> <b>(JP No.)</b></b>	<b><u>DVD-RAM</u></b>	<b><u>DVD-RW</u></b>	<b><u>DVD-R</u></b>	<b><u>DVD-Video</u> <b>Recording</b></b>	<b><u>DVD-ROM/Video</u></b>	<b><u>DVD-Audio</u></b>
DE (EP)	695,098	(JP No.3359745)				Essential (claim 1)		
FR (EP)	695,098	(JP No.3359745)				Essential (claim 1)		
GB (EP)	695,098	(JP No.3359745)				Essential (claim 1)		



**Sharp Essential Patents For Recorder**

<b><u>Country</u></b>	<b><u>Patent No.</u></b>	<b><u>Patent No.</u> <b>(JP No.)</b></b>	<b><u>DVD-RAM</u></b>	<b><u>DVD-RW</u></b>	<b><u>DVD-R</u></b>	<b><u>DVD-Video</u> <b>Recording</b></b>	<b><u>DVD-ROM/Video</u></b>	<b><u>DVD-Audio</u></b>
DE (EP)	695,098	(JP No.3359745)				Essential (claim 10)		
FR (EP)	695,098	(JP No.3359745)				Essential (claim 10)		
GB (EP)	695,098	(JP No.3359745)				Essential (claim 10)		

**Toshiba Essential Patents For Disc**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No.</u> <u>(JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video</u> <u>Recording</u>	<u>DVD-ROM/Video</u>	<u>DVD-Audio</u>
NL (EP)	814,475	(JP No.2857133)					Essential (claim 1)	
CN	ZL96105717.3	(JP No. 2862869)					Essential (claim 3)	
HK	1,014,418	(JP No.2712099)					Essential (claim 1)	
HK	1,012,840	(JP No.2810028)					Essential (claim 1)	
KR	221,429	(JP No.2835317)					Essential (claim 19)	
KR	221,430	(JP No.2835317)					Essential (claim 19)	
KR	272,411	(JP No.2835318)					Essential (claim 1)	
GB (EP)	737,009	(JP No.2835319)					Essential (claim 1)	
CA	2,173,701	(JP No.2835319)					Essential (claim 1)	
CN	App.96102813.0	(JP No.2839878)					Essential (claim 2)	
VN	1,360	(JP No.2856722)					Essential (claim 1)	
TW	123,649	(JP No.2856722)					Essential (claim 1)	
KR	265,316	(JP No.2856722)					Essential (claim 19)	

HK	HK1014417	(JP No.2856722)					Essential (claim 1)	
CN	ZL96190503.4	(JP No.2857120)					Essential (claim 4)	
DE (EP)	814,475	(JP No.2857133)					Essential (claim 1)	
FR (EP)	814,475	(JP No.2857133)					Essential (claim 1)	
GB (EP)	814,475	(JP No.2857133)					Essential (claim 1)	
KR	256,517	(JP No.2857144)					Essential (claim 1)	
AT (EP)	729,152	(JP No.2862869)					Essential (claim 1)	
BE (EP)	729,152	(JP No.2862869)					Essential (claim 1)	
CH (+LI) (EP)	729,152	(JP No.2862869)					Essential (claim 1)	
DE (EP)	729,152	(JP No.2862869)					Essential (claim 1)	
FR (EP)	729,152	(JP No.2862869)					Essential (claim 1)	
GB (EP)	729,152	(JP No.2862869)					Essential (claim 1)	
LU (EP)	729,152	(JP No.2862869)					Essential (claim 1)	
AT (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
BE (EP)	808,072	(JP No.2865643)					Essential (claim 15)	

CH(+LI) (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
DE (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
ES (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
FR (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
GB (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
IT (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
LU (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
NL (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
SE (EP)	808,072	(JP No.2865643)					Essential (claim 15)	
DE (EP)	790,739	(JP No.2868981)					Essential (claim 9)	
FR (EP)	790,739	(JP No.2868981)					Essential (claim 9)	
GB (EP)	790,739	(JP No.2868981)					Essential (claim 9)	
NL (EP)	790,739	(JP No.2868981)					Essential (claim 9)	
TW	131,043	(JP No.2875233)					Essential (claim 1)	
DE (EP)	677,961	(JP No.2945842)					Essential (claim 1)	

FR (EP)	677,961	(JP No.2945842)					Essential (claim 1)	
GB (EP)	677,961	(JP No.2945842)					Essential (claim 1)	
GB (EP)	812,108	(JP No.2945842)					Essential (claim 1)	
HK	1,005,115	(JP No.2945842)					Essential (claim 1)	
KR	278,521	(JP No.2954083)	Essential (claim1)					
TW	139,080	(JP No.2954132)	Essential (claim 13)					
DE (EP)	840,508	(JP No.2977513)						Essential (claim 1)
FR (EP)	840,508	(JP No.2977513)						Essential (claim 1)
GB (EP)	840,508	(JP No.2977513)						Essential (claim 1)
KR	279,113	(JP No.3080902)	Essential (claim 1)					
KR	333,119	(JP No.3376265)						Essential (claim 1)
DE (EP)	965,229	(JP No.3376265)						Essential (claim 1)
FR (EP)	965,229	(JP No.3376265)						Essential (claim 1)
GB (EP)	965,229	(JP No.3376265)						Essential (claim 1)
KR	324,159	(JP No.3383662)				Essential (claim 1)		

**Toshiba Essential Patents For Player**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No. (JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video Recording</u>	<u>DVD-ROM/Video</u>	<u>DVD-Audio</u>
CN	ZL96101538.1	(JP No.2712099)					Essential (claim 1)	
KR	221,427	(JP No.2835317)					Essential (claim 19)	
KR	221,428	(JP No.2835317)					Essential (claim 19)	
GB (EP)	737,009	(JP No.2835317)					Essential (claim 80)	
CA	2,173,701	(JP No.2835317)					Essential (claim 10)	
CN	ZL96104615.5	(JP No.2835317)					Essential (claim 1)	
CN	App.96102813.0	(JP No.2839878)					Essential (claim 1)	
VN	1,360	(JP No.2856721)					Essential (claim 4)	
TW	123,649	(JP No.2856721)					Essential (claim 16)	
KR	265,316	(JP No.2856721)					Essential (claim 7)	
CN	ZL96199308.1	(JP No.2857118)					Essential (claim 1)	
CN	ZL96190503.4	(JP No.2857120)					Essential (claim 14)	
AT (EP)	808,072	(JP No.2865643)					Essential (claim 1)	

BE (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
CH(+LI) (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
DE (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
ES (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
FR (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
GB (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
IT (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
LU (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
NL (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
SE (EP)	808,072	(JP No.2865643)					Essential (claim 1)	
DE (EP)	802,536	(JP No.2868744)					Essential (claim 3)	
FR (EP)	802,536	(JP No.2868744)					Essential (claim 3)	
GB (EP)	802,536	(JP No.2868744)					Essential (claim 3)	
KR	186,063	(JP No.2868981)					Essential (claim 25)	
TW	131,043	(JP No.2875231)					Essential (claim 51)	

DE (EP)	840,508	(JP No.2977513)						Essential (claim 20)
FR (EP)	840,508	(JP No.2977513)						Essential (claim 20)
GB (EP)	840,508	(JP No.2977513)						Essential (claim 20)
KR	333,119	(JP No.3376265)						Essential (claim 12)
DE (EP)	965,229	(JP No.3376265)						Essential (claim 14)
FR (EP)	965,229	(JP No.3376265)						Essential (claim 14)
GB (EP)	965,229	(JP No.3376265)						Essential (claim 14)
KR	324,159	(JP No.3383662)				Essential (claim 13)		



**Toshiba Essential Patents For Recorder**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No.</u> <u>(JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video</u> <u>Recording</u>	<u>DVD-Video</u>	<u>DVD-Audio</u>
KR	278,521	(JP No.2954083)	Essential (claim 23)					
TW	139,080	(JP No.2954132)	Essential (claim 15)					
DE (EP)	840,508	(JP No.2977513)				Essential (claim 1)		
FR (EP)	840,508	(JP No.2977513)				Essential (claim 1)		
GB (EP)	840,508	(JP No.2977513)				Essential (claim 1)		
TW	108,362	(JP No.3080902)	Essential (claim 1)					
KR	279,113	(JP No.3080902)	Essential (claim 4)					
TW	92,603	(JP No.3113200)	Essential (claim 1)					
KR	262,469	(JP No.3113200)	Essential (claim 1)					
DE (EP)	798,716	(JP No.3113200)	Essential (claim 1)					
FR (EP)	798,716	(JP No.3113200)	Essential (claim 1)					
GB (EP)	798,716	(JP No.3113200)	Essential (claim 1)					
CN	ZL97103368.4	(JP No.3113200)	Essential (claim 1)					

**Victor Company of Japan Essential Patents For Disc**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No.</u> <u>(JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video</u> <u>Recording</u>	<u>DVD-ROM/Video</u>	<u>DVD-Audio</u>
FR (EP)	380,081	(JP No.2133528)					Essential (claim 1)	Essential (claim 1)
GB (EP)	380,081	(JP No.2133528)					Essential (claim 1)	Essential (claim 1)
HK	1,001,184	(JP No.2133528)					Essential (claim 1)	Essential (claim 1)
DE (EP)	69,028,221.4	(JP No.2133528)					Essential (claim 1)	Essential (claim 1)
FR (EP)	337,702	(JP No.2138621)	Essential (claim 1, 8)	Essential (claim 1, 8)	Essential (claim 1, 8)		Essential (claim 8)	Essential (claim 8)
GB (EP)	337,702	(JP No.2138621)	Essential (claim 1, 8)	Essential (claim 1, 8)	Essential (claim 1, 8)		Essential (claim 8)	Essential (claim 8)
NL (EP)	337,702	(JP No.2138621)	Essential (claim 8)	Essential (claim 8)	Essential (claim 8)		Essential (claim 8)	Essential (claim 8)
DE	68,917,188.9	(JP No.2138621)	Essential (claim 8)	Essential (claim 8)	Essential (claim 8)		Essential (claim 8)	Essential (claim 8)
HK	HK1000543	(JP No.2138621)	Essential (claim 1, 8)	Essential (claim 1, 8)	Essential (claim 1, 8)		Essential (claim 1, 8)	Essential (claim 8)
FR (EP)	655,739	(JP No.2927163)	Essential (claim 12)	Essential (claim 12)	Essential (claim 12)		Essential (claim 12)	Essential (claim 12)
GB (EP)	655,739	(JP No.2927163)	Essential (claim 12)	Essential (claim 12)	Essential (claim 12)		Essential (claim 12)	Essential (claim 12)
DE (EP)	69,425,543.2	(JP No.2927163)	Essential (claim 12)	Essential (claim 12)	Essential (claim 12)		Essential (claim 12)	Essential (claim 12)
TW	88,293	(JP No.3061098)	Essential (claim 1)					

KR	153,225	(JP No.3061098)	Essential (claim 1)					
FR (EP)	637,023	(JP No.3061098)	Essential (claim 1)					
GB (EP)	637,023	(JP No.3061098)	Essential (claim 1)					
DE (EP)	69,431,225.8	(JP No.3061098)	Essential (claim 1)					
CN	ZL94104669.9	(JP No.3061098)	Essential (claim 1)					
KR	201,232	(JP No.3102416)					Essential (claim 17)	Essential (claim 17)
KR	178,819	(JP No.3127884)					Essential (claim 1)	Essential (claim 1)
FR (EP)	655,739	(JP No.3360634)					Essential (claim 13)	
GB (EP)	655,739	(JP No.3360634)					Essential (claim 13)	
FR (EP)	1,033,703	(JP No.3360634)					Essential (claim 1)	
GB (EP)	1,033,703	(JP No.3360634)					Essential (claim 1)	
DE (EP)	69,425,543.2	(JP No.3360634)					Essential (claim 13)	
DE (EP)	69,429,837.9	(JP No.3360634)					Essential (claim 1)	

**Victor Company of Japan Essential Patents For Player**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No. (JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video Recording</u>	<u>DVD-ROM/Video</u>	<u>DVD-Audio</u>
FR (EP)	684,607	(JP No. 2885068)				Essential (claim 1)	Essential (claim 1)	
GB (EP)	684,607	(JP No. 2885068)				Essential (claim 1)	Essential (claim 1)	
DE (EP)	69,520,302.9	(JP No. 2885068)				Essential (claim 1)	Essential (claim 1)	
KR	178,819	(JP No. 3019659)					Essential (claim 2, 4)	Essential (claim 2, 4)
KR	59,670	(JP No.2138621)	Essential (claim 2)	Essential (claim 2)	Essential (claim 2)		Essential (claim 2)	Essential (claim 2)
FR (EP)	337,702	(JP No.2138621)	Essential (claim 2, 9)	Essential (claim 2, 9)	Essential (claim 2, 9)		Essential (claim 2, 9)	Essential (claim 2, 9)
GB (EP)	337,702	(JP No.2138621)	Essential (claim 2, 9)	Essential (claim 2, 9)	Essential (claim 2, 9)		Essential (claim 2, 9)	Essential (claim 2, 9)
NL (EP)	337,702	(JP No.2138621)	Essential (claim 2, 9)	Essential (claim 2, 9)	Essential (claim 2, 9)		Essential (claim 2, 9)	Essential (claim 2, 9)
DE (EP)	68,917,188.9	(JP No.2138621)	Essential (claim 2, 9)	Essential (claim 2, 9)	Essential (claim 2, 9)		Essential (claim 2, 9)	Essential (claim 2, 9)
HK	HK1000543	(JP No.2138621)	Essential (claim 2, 9)	Essential (claim 2, 9)	Essential (claim 2, 9)		Essential (claim 2, 9)	Essential (claim 2, 9)
IN	183,312	(JP No.2853727)					Essential (claim 1)	Essential (claim 1)
KR	201,232	(JP No.2853727)					Essential (claim 1, 2)	Essential (claim 1, 2)
FR (EP)	668,695	(JP No.2853727)					Essential (claim 1, 2)	Essential (claim 1, 2)
GB (EP)	668,695	(JP No.2853727)					Essential (claim 1, 2)	Essential (claim 1, 2)
DE (EP)	69,516,326.4	(JP No.2853727)					Essential (claim 1, 2)	Essential (claim 1, 2)
TW	166,874	(JP No.2885068)				Essential (claim 1)	Essential (claim 1)	
KR	250,509	(JP No.2885068)				Essential (claim 2)	Essential (claim 2)	

**Victor Company of Japan Essential Patents For Recorder**

<u>Country</u>	<u>Patent No.</u>	<u>Patent No.</u> <u>(JP No.)</u>	<u>DVD-RAM</u>	<u>DVD-RW</u>	<u>DVD-R</u>	<u>DVD-Video</u> <u>Recording</u>	<u>DVD-ROM/Video</u>	<u>DVD-Audio</u>
FR (EP)	380,081	(JP No. 2133528)				Essential (claim 1)		
GB (EP)	380,081	(JP No. 2133528)				Essential (claim 1)		
DE (EP)	69,028,221.4	(JP No. 2133528)				Essential (claim 1)		
KR	307,425	(JP No. 3356004)					Essential (claim 1)	
HK	1,001,184	(JP No.2133528)				Essential (claim 1)		
KR	59,670	(JP No.2138621)	Essential (claim 1)	Essential (claim 1)	Essential (claim 1)		Essential (claim 1)	Essential (claim 1)
FR (EP)	337,702	(JP No.2138621)	Essential (claim 1, 8)	Essential (claim 1, 8)	Essential (claim 1, 8)		Essential (claim 1, 8)	Essential (claim 1, 8)
GB (EP)	337,702	(JP No.2138621)	Essential (claim 1, 8)	Essential (claim 1, 8)	Essential (claim 1, 8)		Essential (claim 1, 8)	Essential (claim 1, 8)
NL (EP)	337,702	(JP No.2138621)	Essential (claim 1, 8)	Essential (claim 1, 8)	Essential (claim 1, 8)		Essential (claim 1, 8)	Essential (claim 1, 8)
DE (EP)	68,917,188.9	(JP No.2138621)	Essential (claim 1, 8)	Essential (claim 1, 8)	Essential (claim 1, 8)		Essential (claim 1, 8)	Essential (claim 1, 8)
HK	HK1000543	(JP No.2138621)	Essential (claim 1, 8)	Essential (claim 1, 8)	Essential (claim 1, 8)		Essential (claim 1, 8)	Essential (claim 1, 8)
FR (EP)	655,739	(JP No.2927163)	Essential	Essential	Essential			
GB (EP)	655,739	(JP No.2927163)	Essential	Essential	Essential			

DE (EP)	69,425,543.2	(JP No.2927163)	Essential	Essential	Essential			
FR (EP)	655,739	(JP No.3317439)					Essential (claim 10)	
GB (EP)	655,739	(JP No.3317439)					Essential (claim 10)	
DE (EP)	69,425,543.2	(JP No.3317439)					Essential (claim 10)	