

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>HOYA MAGNETICS SINGAPORE PTE LTD</td> <td>06/30/2010</td> </tr> <tr> <td>HOYA CORPORATION</td> <td>06/30/2010</td> </tr> </tbody> </table>		Name	Execution Date	HOYA MAGNETICS SINGAPORE PTE LTD	06/30/2010	HOYA CORPORATION	06/30/2010						
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<table border="1"> <tr> <td>Name:</td> <td>WD MEDIA (SINGAPORE) PTE. LTD.</td> </tr> <tr> <td>Street Address:</td> <td>c/o Western Digital Technologies, Inc.</td> </tr> <tr> <td>Internal Address:</td> <td>3355 Michelson Drive, Suite 100</td> </tr> <tr> <td>City:</td> <td>IRVINE</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92630</td> </tr> </table>		Name:	WD MEDIA (SINGAPORE) PTE. LTD.	Street Address:	c/o Western Digital Technologies, Inc.	Internal Address:	3355 Michelson Drive, Suite 100	City:	IRVINE	State/Country:	CALIFORNIA	Postal Code:	92630
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Property Type	Number												
Application Number:	12745206												
Application Number:	12745194												
CORRESPONDENCE DATA													
Fax Number:	9496726604												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Email:	lesley.ning@wdc.com												
Correspondent Name:	WESTERN DIGITAL												
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CH \$80.00 12745206

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Address Line 4: Irvine, CALIFORNIA 92692

ATTORNEY DOCKET NUMBER: M4877,M4878

NAME OF SUBMITTER: Lesley Ning

**Total Attachments: 51**

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## INTELLECTUAL PROPERTY ASSIGNMENT

This INTELLECTUAL PROPERTY ASSIGNMENT (this "Assignment") is effective as of June 30, 2010, by and among Hoya Magnetics Singapore Pte Ltd (UEN: 199504287N), a Singapore company, having its registered office at 3 Tuas Link 2 Singapore 638552, (the "Company"), Hoya Corporation, also known as Hoya Kabushikigaisha, or Hoya Corp., Registration No. 0111-01-019599, a Japanese corporation, having its registered address at 2-7-5 Naka-Ochiai, Shinjuku-ku, Tokyo 161-8525, Japan ("Parent", and together with the Company, "Sellers" or "Assignors"), Western Digital Corporation, a Delaware corporation, having its address at 20511 Lake Forest Drive, Lake Forest, CA 92630, U.S.A. ("Buyer's Parent"), and WD Media (Singapore) Pte. Ltd. (UEN: 201008296D), a Singapore company and wholly owned subsidiary of Buyer's Parent, having its registered office at 8 Cross Street #11-00 PWC Building Singapore 048424 ("Buyer" or "Assignee"). Unless otherwise defined herein, capitalized terms shall have the meanings set forth in the Purchase Agreement (as defined below).

### RECITALS

WHEREAS, the Sellers, Buyer's Parent and Buyer have entered into that certain Asset Purchase Agreement, dated as of April 27, 2010 (the "Purchase Agreement"), pursuant to which, among other things, Assignee is acquiring certain intellectual property rights on the terms and subject to the conditions set forth therein; and

WHEREAS, this Assignment is required to be executed and delivered by Assignors at the Closing, pursuant to Section 2.5(a)(ii) of the Purchase Agreement.

WHEREAS, all capitalized terms used but not defined herein shall have the respective meanings ascribed to them in the Purchase Agreement.

### ASSIGNMENT

NOW, THEREFORE, for good and valuable consideration, including that recited in the Purchase Agreement, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

1. Assignment of Intellectual Property Rights. Assignors do hereby irrevocably sell, convey, transfer, and assign to Assignee all of the right, title and interest of Assignors in and to the intellectual property rights that are included among the Purchased Assets (the "Transferred IPR"), all throughout the world and for the full duration of such rights (including any extensions, renewals and reversions thereof), including without limitation:

- (a) the Assigned IP;
- (b) all issued patents and pending patent applications listed in Attachment I hereto;
- (c) any and all rights to apply for any applications and/or patents that may be granted on any division, continuation, continuation-in-part and reissue of the patents listed in

Attachment I hereto, and all foreign and multinational counterparts thereof, whether or not listed in Attachment I; and

(d) all rights of action, powers and benefits arising from ownership of the aforesaid, including without limitation the right to sue for damages that arise after the Closing Date, and other legal and equitable remedies and retain any financial award made in any action in respect of all causes of action arising prior to, on or after the date of this Assignment.

2. Assistance and Cooperation. This Assignment is effective between and among the parties on the date hereof. Assignors further agree, subject to Section 3 (Perfection and Recordation), to perform (or cause to be performed) all such lawful acts and to execute (or cause to be executed) all such further assignments and other lawful documents as may reasonably be necessary to effectuate the Assignment and to perfect and record the Assignment in the various jurisdictions and permit for the orderly transition of the prosecution and maintenance of such Transferred IPR from Assignors to Assignee. Such assistance shall include, without limitation, the re-execution of assignments in a form reasonably acceptable to Assignee for those items of Transferred IPR identified by Assignee, as required by local law and practice.

3. Perfection and Recordation. Assignee shall prepare all additional documents that are necessary to perfect and record the assignments of the Transferred IPR in the various jurisdictions, and Assignee shall be responsible for all of its own expenses, including recordation expenses, associated therewith. Assignors shall be responsible for all of their own expenses associated with the review and execution thereof.

4. Descriptive Headings. The descriptive headings herein are inserted for convenience only and are not intended to be part of or to affect the meaning or interpretation of this Assignment.

5. Counterparts. This Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same agreement.

6. Entire Agreement. This Assignment (including all Attachments hereto), and the other Transaction Documents (including all Exhibits, Annexes and Schedules thereto) set forth the entire understanding of the parties and supersede all prior agreements and understandings, oral or written, between or among the parties relating to the subject matter hereof and thereof.

7. Governing Law; Jurisdiction. This Assignment and performance hereunder shall be governed, interpreted and construed in all respects in accordance with the Laws of the Republic of Singapore, without giving effect to choice of law principles. Exclusive jurisdiction shall be vested in the courts of the Republic of Singapore.

8. Assignment. Neither this Assignment nor any of the rights, interests or obligations hereunder shall be transferred, assigned or delegated by any of the parties, in whole or in part, without the prior written consent of the other parties, and any attempt to make any such transfer, assignment or delegation without such consent shall be null and void.

9. Parties in Interest. This Assignment shall be binding upon and inure solely to the benefit of each party hereto and its respective successors and permitted assigns, and, except as provided in the following sentence, nothing in this Assignment, express or implied, is intended to or shall confer upon any other person any rights, interests, benefits or remedies of any nature whatsoever under or by reason of this Assignment. A Person who is not a party to this Assignment has no rights under the Contracts (Rights of Third Parties) Act, Chapter 53B of Singapore to enforce any term of this Assignment, but this does not affect any rights or remedy of a third party which exists or is available apart from the said Act. No consent of any third party is required for any amendment, rescission or termination of this Assignment.

10. Severability. In the event that any one or more of the provisions contained herein, or the application thereof in any circumstances, is held invalid, illegal or unenforceable in any respect for any reason, the parties shall negotiate in good faith with a view to the substitution therefor of a suitable and equitable solution in order to carry out, so far as may be valid and enforceable, the intent and purpose of such invalid provision; provided, however, that the validity, legality and enforceability of any such provision in every other respect and of the remaining provisions contained herein shall not be in any way impaired thereby, it being intended that all of the rights and privileges of the parties shall be enforceable to the fullest extent permitted by Law.

11. Amendments. This Assignment may be amended or modified at any time by the parties, but only by an instrument in writing signed by or on behalf of Assignors and Assignee.

*(Signature Pages Follow.)*

IN WITNESS WHEREOF, the Parties hereto have executed this Intellectual Property Assignment as of the date first written above.

**HOYA MAGNETICS SINGAPORE PTE LTD**

By: T. Kohama  
Name: Tatsuji Kohama  
Title: Executive Director

**HOYA CORPORATION**

By: Hiroshi Suzuki  
Name: Hiroshi Suzuki  
Title: President & Chief Executive Officer

**WD MEDIA (SINGAPORE) PTE. LTD.**

By: \_\_\_\_\_  
Ong Hean Bean,  
Director

**WESTERN DIGITAL CORPORATION**

By: \_\_\_\_\_  
Timothy M. Leyden,  
Executive Vice President, Finance and  
Chief Financial Officer

IN WITNESS WHEREOF, the Parties hereto have executed this Intellectual Property Assignment as of the date first written above.


**HOYA MAGNETICS SINGAPORE PTE LTD**

By: \_\_\_\_\_  
Name:  
Title:

**HOYA CORPORATION**

By: \_\_\_\_\_  
Name:  
Title:

**WD MEDIA (SINGAPORE) PTE. LTD.**

By:   
Ong Hean Bean,  
Director

**WESTERN DIGITAL CORPORATION**

By: \_\_\_\_\_  
Timothy M. Leyden,  
Executive Vice President, Finance and  
Chief Financial Officer

Signature Page to Intellectual Property Assignment (non-US)



IN WITNESS WHEREOF, the Parties hereto have executed this Intellectual Property Assignment as of the date first written above.

**HOYA MAGNETICS SINGAPORE PTE LTD**

By: \_\_\_\_\_  
Name:  
Title:

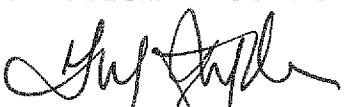
**HOYA CORPORATION**

By: \_\_\_\_\_  
Name:  
Title:

**WD MEDIA (SINGAPORE) PTE. LTD.**

By: \_\_\_\_\_  
Ong Hean Bean,  
Director

**WESTERN DIGITAL CORPORATION**

By:  \_\_\_\_\_  
Timothy M. Leyden,  
Executive Vice President, Finance and  
Chief Financial Officer

## Attachment I

### Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Under Layer	Japan	H05130308	H06342511	3230212	HOYA Corporation		Magnetic recording medium
Under Layer	Japan	H05215422	H07073427	2920723	HOYA Corporation		Magnetic recording medium
Under Layer	Japan	H07347842	H08227525	3195898	HOYA Corporation		Method of producing a magnetic recording medium
Under Layer	Japan	H07161941	H09016937	2911782	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Under Layer	Japan	H07161942	H09016938	2911783	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Under Layer	Japan	H07309606	H09147348	2911797	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Under Layer	Japan	H07309607	H09147349	2911798	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Under Layer	Japan	H02276109	H04153910	2833190	HOYA Corporation		Magnetic recording medium
Under Layer	Japan	H05163499	H07021543	2809049	HOYA Corporation		Magnetic recording medium
Under Layer	Japan	H05335416	H07192260	2953287	HOYA Corporation		Manufacture of magnetic recording medium having ruggedness on surface
Under Layer	Japan	H11352356	2001-176048	3582435	HOYA Corporation		Perpendicular magnetic recording medium
Under Layer	Japan	H09300659	H11134634	3052915	HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same
Under Layer	Japan	H09315654	H11149628	3099790	HOYA Corporation		Perpendicular magnetic recording medium
Under Layer	Japan	H09349810	H11185237	3050305	HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same

Attachment I-1

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Under Layer	Japan	H10003309	H11203653	3529258	HOYA Corporation		Perpendicular magnetic recording medium
Under Layer	Japan	H10003310	H11203654	3080059	HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same
Under Layer	Japan	H10037766	H11238223	3087715	HOYA Corporation		Magnetic disc apparatus
Under Layer	Japan	H10244060	2000-076636	3090128	HOYA Corporation		Perpendicular magnetic recording medium
Under Layer	Japan	H10257059	2000-090424	3132658	HOYA Corporation		Perpendicular magnetic recording medium and magnetic recording apparatus
Under Layer	Japan	H11009791	2000-215432	3173490	HOYA Corporation		Perpendicular magnetic recording medium
Under Layer	Japan	H11002694	H11316932	2989820	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Under Layer	Japan	H11002698	H11316933	2989821	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Under Layer	Japan	H11094391	2000-285431	3335320	HOYA Corporation		Magnetic recording medium
Under Layer	Japan	2000-093824	2000-348335	3524839	HOYA Corporation		Magnetic recording medium
Under Layer	Japan	2002-260121	2004-103059	4219136	HOYA Corporation		Magnetic disc and method of manufacturing same
Under Layer	Japan	2003-279861	2005-044464	4169663	HOYA Corporation		Perpendicular magnetic recording medium
Under Layer	Japan	2004-100794	2005-285275	4240391	HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same
Recording Layer	Japan	H04247985	H06103551	3198165	HOYA Corporation		Method of producing a magnetic recording medium
Recording Layer	Japan	H05252955	H06215348	3200787	HOYA Corporation		Method of producing a magnetic recording medium
Recording Layer	Japan	H03223682	H05047556	2669212	HOYA Corporation		Semi-hard magnetic film and method of manufacturing same
Recording Layer	Japan	H03291893	H05109041	2725502	HOYA Corporation		Magnetic recording medium

Attachment I-2

NB1:799453.4

**PATENT**  
**REEL: 029673 FRAME: 0315**

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Recording Layer	Japan	H03323535	H05159264	2725506	HOYA Corporation		Magnetic recording medium
Recording Layer	Japan	H09321652	H11161932	3894343	HOYA Corporation		Magnetic recording medium
Protective layer	Japan	H02195702	H04082013	2874298	HOYA Corporation		Magnetic recording medium
Protective layer	Japan	2000-012800	2001-202618	4217361	HOYA Corporation		Method for manufacturing magnetic disc and sputtering device used for the same
Lubricant Layer	Japan	H05336425	H07192255	3449637	HOYA Corporation		Magnetic recording medium and method of manufacturing same and method of evaluating a magnetic recording medium
Lubricant Layer	Japan	H08123092	H09305960	3662340	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Lubricant Layer	Japan	2004-278892	2006-089663	4375617	HOYA Corporation		Method of producing a lubricant for a magnetic disk, lubricant for a magnetic disk, magnetic disk, and method of producing a magnetic disk
Lubricant Layer	Japan	2005-287357	2007-102827	4410747	HOYA Corporation		Magnetic recording disc and method of manufacturing same
Lubricant Layer	Japan	H11351388	2001-164279	3986040	HOYA Corporation		Fluorinated lubricant for magnetic recording medium, method of manufacturing same and magnetic recording medium
Lubricant Layer	Japan	2002-260787	2004-103074	3888625	HOYA Corporation		Magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2003-120978	2004-005955	3675449	HOYA Corporation		Hard disk and method of manufacturing same
Lubricant Layer	Japan	2003-391829	2004-253110	3651681	HOYA Corporation		Magnetic disc and method of manufacturing same
Manufacturing process	Japan	H02412629	H04221429	2720363	HOYA Corporation		Method of producing a magnetic recording medium
Manufacturing process	Japan	H07156331	H09007174	3002632	HOYA Corporation		Method of producing a magnetic recording medium and holder of substrate

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Manufacturing process	Japan	H08015379	H09016941	2973409	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Manufacturing process	Japan	H08104412	H08329458	3657344	HOYA Corporation		Method of producing a magnetic recording medium
Other	Japan	H05154847	H07014275	3429530	HOYA Corporation		method of magnetic recording and reproducing, magnetic recording and reproducing apparatus and clamp for fixing magnetic disc
Other	Japan	H05286553	H07141650	3148783	HOYA Corporation		Method of evaluating trilogy of magnetic recording medium
Other	Japan	H06217493	H08082504	3063022	HOYA Corporation		Method and apparatus for surface roughness detection - using a magnetoresistive element
Other	Japan	H06317866	H08180399	3475533	HOYA Corporation		Thin film magnetic disc
Other	Japan	H11094386	2000-285446	3508917	HOYA Corporation		Method of measuring thermal stability of magnetic recording medium and thermal stability measuring apparatus
Other	Japan	2000-208532	2002-025048	4407998	HOYA Corporation		Method of measuring amount of lubricant transfer to the magnetic recording head, method of evaluating lubricant for magnetic disc and magnetic disc
Other	Japan	2003-122181	2004-326960	4082590	HOYA Corporation		Method of degaussing of perpendicular magnetic recording disc, method of producing a perpendicular magnetic recording disc and degaussing apparatus for perpendicular magnetic recording disc
Under Layer	Japan	2004-063402	2005-251345	4368700	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc and magnetic disc
Protective layer	Japan	2004-283137	2006-099848	4044546	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and method of manufacturing same
Protective layer	Japan	2002-048421	2003-248917	3912497	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium

Attachment I-4

NB1:799453.4

**PATENT**  
**REEL: 029673 FRAME: 0317**

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Protective layer	Japan	2003-017442	2004-227729	4113787	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc
Protective layer	Japan	2003-033121	2004-246938	3755765	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing magnetic disc
Protective layer	Japan	2003-318976	2004-127493	3969727	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc
Protective layer	Japan	2003-381823	2005-149553	4247535	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc, method of producing a magnetic disc and magnetic disc
Protective layer	Japan	2004-030278	2005-221403	4078317	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Solid body surface evaluation method, magnetic disk evaluation method, magnetic disk, and manufacturing method thereof
Protective layer	Japan	2004-030295	2005-222633	4407904	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2002-088851	2003-288720	3939180	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Information recording medium and method of manufacturing same
Lubricant Layer	Japan	2006-102517	2006-228422	4220529	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc and magnetic disc
Lubricant Layer	Japan	2004-155569	2005-011498	4150418	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and method of manufacturing same
Other	Japan	2003-091864	2004-303294	4253202	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Glide testing method for magnetic disc and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Under Layer	Japan	2004-234334	2006-053988	HOYA Corporation		Method of producing a perpendicular magnetic recording medium and manufacturing system of perpendicular magnetic recording medium
Under Layer	Japan	2005-086220	2006-268972	HOYA Corporation		Perpendicular magnetic recording disc and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Under Layer	Japan	2005-287867	2007-102833	HOYA Corporation		Perpendicular magnetic recording medium
Under Layer	Japan	2006-083853	2006-309925	HOYA Corporation		Substrate for magnetic recording medium and perpendicular magnetic recording medium
Under Layer	Japan	2006-090171	2007-265549	HOYA Corporation		Magnetic recording disc and method of manufacturing same
Under Layer	Japan	2007-250674	2009-080913	HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same
Under Layer	Japan	2007-249745	2009-080897	HOYA Corporation		Method of producing a perpendicular magnetic recording disc and perpendicular magnetic recording disc
Under Layer	Japan	2007-267421	2009-099170	HOYA Corporation		Perpendicular magnetic recording medium
Under Layer	Japan	2004-106582	2005-293706	HOYA Corporation		Perpendicular magnetic recording medium
Recording Layer	Japan	2006-528738	WO2006/003922	HOYA Corporation		Perpendicular magnetic recording disc and method of manufacturing same
Recording Layer	Japan	2006-292695	2008-108395	HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same
Protective layer	Japan	2006-093012	2007-265586	HOYA Corporation		Magnetic disc and method of manufacturing same
Protective layer	Japan	2007-256864	2009-087473	HOYA Corporation		Magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2004-242491	2006-059491	HOYA Corporation		Method of producing a lubricant for a magnetic disc, magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2009-223184	2009-301709	HOYA Corporation		Magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2005-285244	2007-095208	HOYA Corporation		Method of producing a magnetic recording disc

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	Japan	2005-284997	2007-095202	HOYA Corporation		Method of producing a magnetic recording disc and dipping apparatus for producing a magnetic recording disc
Lubricant Layer	Japan	2005-284943	2007-095201	HOYA Corporation		method of selecting a lubricant, method of producing a magnetic recording disc and magnetic recording disc
Lubricant Layer	Japan	2006-013614	2007-193924	HOYA Corporation		Magnetic disc
Lubricant Layer	Japan	2005-517030	WO2005/068589	HOYA Corporation		Method of producing a lubricant for a magnetic disk and magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2008-084285	2009-238325	HOYA Corporation		Method of producing a perpendicular magnetic recording medium and perpendicular magnetic recording medium
Lubricant Layer	Japan	2008-084286	2009-238326	HOYA Corporation		Method of producing a perpendicular magnetic recording medium and perpendicular magnetic recording medium
Manufacturing process	Japan	2006-077813	2007-254780	HOYA Corporation		Deposition apparatus and method of producing a magnetic disc
Manufacturing process	Japan	2006-270171	2008-090919	HOYA Corporation		Method of producing a magnetic disc
Manufacturing process	Japan	2007-250300	2008-108415	HOYA Corporation		Method of producing a magnetic recording medium
Manufacturing process	Japan	2007-249744	2009-080896	HOYA Corporation		Method of producing a perpendicular magnetic recording disc
Manufacturing process	Japan	2007-256267	2009-087456	HOYA Corporation		Method of producing a magnetic recording medium
Manufacturing process	Japan	2007-280472	2008-059749	HOYA Corporation		Method of producing a perpendicular magnetic recording medium



Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Manufacturing process	Japan	2007-331432	2009-157956	HOYA Corporation		Method of producing a perpendicular magnetic recording medium
Manufacturing process	Japan	2008-078272	2009-230837	HOYA Corporation		Method of producing a perpendicular magnetic recording medium
Manufacturing process	Japan	2008-088130	2009-245482	HOYA Corporation		Method of producing a perpendicular magnetic recording medium
Other	Japan	2008-085348	2008-269764	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Other	Japan	2006-073599	2007-115383 Patent No.: 4474376	HOYA Corporation		Method of evaluating a magnetic disc
Other	Japan	2006-097561	2007-272995	HOYA Corporation		Method for determining whether or not magnetic disc device and non-magnetic substrate, magnetic disc and magnetic disc device
Other	Japan	2006-097032	2007-270248	HOYA Corporation		Method of depositing thin film, method of depositing a magnetic recording medium and method of producing a magnetic recording disc
Other	Japan	2006-094707	2007-270188	HOYA Corporation		Deposition apparatus
Other	Japan	2006-270168	2008-090917	HOYA Corporation		Sputtering target for producing a magnetic recording medium, method of producing a perpendicular magnetic recording medium and perpendicular magnetic recording medium
Other	Japan	2007-247317	2009-080868	HOYA Corporation		Method of evaluating a magnetic disc
Other	Japan	2007-261004	2009-093710	HOYA Corporation		Method of producing a magnetic recording medium and magnetic recording medium
Other	Japan	2007-261005	2009-093711	HOYA Corporation		Method of producing a magnetic recording medium and magnetic recording medium

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Other	Japan	2007-341531	2009-163814	HOYA Corporation		Method of durability Evaluation a magnetic disc and magnetic disc
Under Layer	Japan	2005-205756	2007-026513	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Under Layer	Japan	2005-287910	2007-102835	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Under Layer	Japan	2006-094364	2007-272949	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc
Under Layer	Japan	2006-167827	2007-335034	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording disc and method of manufacturing same
Under Layer	Japan	2007-266856	2009-099161	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Under Layer	Japan	2007-266857	2009-099162	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Under Layer	Japan	2007-290126	2009-116975	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Under Layer	Japan	2007-286648	2009-116932	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Under Layer	Japan	2008-088128	2008-276916	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Under Layer	Japan	2008-088127	2008-276915	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Recording Layer	Japan	2006-058223	2007-234198	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Recording Layer	Japan	2006-269836	2008-090913	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Recording Layer	Japan	2007-252640	2009-087407	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2008-509815	WO2007/116813	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording disc and perpendicular magnetic recording disc
Recording Layer	Japan	2008-082251	2009-238299	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Recording Layer	Japan	2008-082250	2009-238298	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Recording Layer	Japan	2008-088117	2009-099241	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2008-088118	2009-099242	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Recording Layer	Japan	2008-088119	2009-099243	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2008-088126	2008-276914	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2008-259931	2009-110641	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Protective layer	Japan	2005-178297	2006-351135	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and method of manufacturing same
Protective layer	Japan	2006-082114	2007-257756	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc and magnetic disc
Protective layer	Japan	2006-088005	2007-265505	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc and magnetic disc and method of evaluating magnetic disc
Protective layer	Japan	2007-095018	2007-184098	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc
Protective layer	Japan	2007-095019	2007-184099	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc
Protective layer	Japan	2007-095020	2007-234215	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Protective layer	Japan	2007-244790	2009-076147	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and method of manufacturing same
Protective layer	Japan	2008-088124	2008-276912	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Protective layer	Japan	2008-088529	2008-276917	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium, method of producing a perpendicular magnetic recording medium, method of density measurement of carbon protection layer and method of corrosion evaluating for carbon protection layer
Protective layer	Japan	2008-088125	2008-276913	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Protective layer	Japan	2008-243971	2009-099247	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Lubricant Layer	Japan	2004-278494	2006-092679	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2007-244817	2008-047284	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc
Lubricant Layer	Japan	2009-211610	2009-289411	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Manufacturing process	Japan	2005-205759	2007-026516	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium and substrate adapter
Manufacturing process	Japan	2006-082116	2007-257758	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium
Manufacturing process	Japan	2006-100320	2007-273049	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Manufacturing process	Japan	2006-093032	2007-265587	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and method of manufacturing same
Manufacturing process	Japan	2006-079937	2007-257726	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc and magnetic disc
Manufacturing process	Japan	2008-508689	WO2007/114400	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Other	Japan	2006-082115	2007-257757	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium and deposition apparatus
Other	Japan	2006-094722	2007-270189	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Deposition apparatus and Method of producing a magnetic disc
Other	Japan	2006-262810	2008-084433	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Other	Japan	2006-262809	2008-084432	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and method of manufacturing same
Other	Japan	2008-032431	2008-226429	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and method of manufacturing same
Other	Japan	2008-032430	2008-226428	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium and magnetic recording medium

Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	Japan	2008-509814	WO2007/116812	HOYA Corporation		Magnetic disc and method of manufacturing same
Recording Layer	Japan	2008-067027	2009-223949	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Manufacturing process	Japan	2008-067028	2009-223950	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Lubricant Layer	Japan	2008-088875	2009-245490	HOYA Corporation		Method of producing a perpendicular magnetic recording medium and perpendicular magnetic recording medium
Other	Japan	2008-094842	2009-252251	HOYA Corporation		Method of producing a magnetic disc
Other	Japan	2008-088140	2009-245483	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Manufacturing process	Japan	2008-092341	2009-245545	HOYA Corporation		Method of producing a perpendicular magnetic recording medium
Under Layer	Japan	2008-088141	2009-245484	HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same
Under Layer	Japan	2008-100170	2009-252308	HOYA Corporation		Perpendicular magnetic recording medium

Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	Japan	2008-088951	2009-245491	HOYA Corporation		Magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2008-088953	2009-245492	HOYA Corporation		Magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2008-054004	2009-211765	HOYA Corporation		Magnetic disc
Recording Layer	Japan	2008-129674	2009-277319	HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same
Protective layer	Japan	2008-131756	2009-283036	HOYA Corporation		Method of producing a magnetic recording medium
Other	Japan	2008-144016	2009-289383	HOYA Corporation		Method of producing a magnetic recording medium and magnetic recording medium
Other	Japan	2008-170012	2010-009709	HOYA Corporation		Method of producing a magnetic recording medium and magnetic recording medium
Other	Japan	2008-170013	2010-009710	HOYA Corporation		Method of producing a magnetic recording medium and magnetic recording medium
Other	Japan	2008-171355	2010-009732	HOYA Corporation		Perpendicular magnetic recording medium and method of evaluating same
Protective layer	Japan	2008-249269	2009-099254	HOYA Corporation		Magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2009-078278	2009-266360	HOYA Corporation		Magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2008-536461		HOYA Corporation		Lubricant for magnetic disc, method of manufacturing same and magnetic disc
Other	Japan	2009-506381		HOYA Corporation		Magnetic recording medium and method of manufacturing same
Recording Layer	Japan	2009-517846		HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same
Under Layer	Japan	2009-517847		HOYA Corporation		Perpendicular magnetic recording medium



Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Recording Layer	Japan	2008-088120	2009-245477	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Manufacturing process	Japan	2008-088121	2009-245478	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium and perpendicular magnetic recording medium
Under Layer	Japan	2008-088122	2009-245479	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2008-088123	2009-245480	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Other	Japan	2008-212824	2010-049740	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium and magnetic recording medium
Manufacturing process	Japan	2008-255464	2010-086611	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Manufacturing process	Japan	2008-253043	2010-086583	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Manufacturing process	Japan	2008-253044	2010-086584	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Under Layer	Japan	2008-251506	2010-086565	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same

Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Other	Japan	2008-251507	2010-086566	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of evaluating magnetic recording medium and magnetic recording medium
Other	Japan	2008-251508	2010-086567	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of evaluating perpendicular magnetic recording medium
Manufacturing process	Japan	2008-253045	2010-086585	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium and magnetic recording medium
Other	Japan	2008-249203	2010-080013	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of durability estimation for magnetic disc
Lubricant Layer	Japan	2008-254129	2010-086598	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc
Other	Japan	2008-253081	2010-086591	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc
Other	Japan	2008-253080	2010-086590	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc
Under Layer	Japan	2008-253048	2010-086587	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Other	Japan	2008-253047	2010-086586	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium

Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Other	Japan	2008-253050	2010-086588	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium and magnetic recording medium
Other	Japan	2008-280568		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium and magnetic recording medium
Under Layer	Japan	2008-259930	2010-092525	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Lubricant Layer	Japan	2008-258403	2010-092511	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc
Protective layer	Japan	2008-263970	2010-092563	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc and magnetic disc
Lubricant Layer	Japan	2008-263971	2010-092564	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc
Lubricant Layer	Japan	2008-327975		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc
Lubricant Layer	Japan	2008-327976		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and method of manufacturing same
Other	Japan	2009-040846		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium

Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Other	Japan	2009-040847		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and method of manufacturing same
Other	Japan	2009-010589		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Recording Layer	Japan	2008-536393		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Other	Japan	2008-537487		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium, and method of producing a layered product
Other	Japan	2009-087766		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Protective layer	Japan	2009-080431		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc
Other	Japan	2009-080432		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Glide testing method for magnetic disc and method of producing a magnetic disc
Manufacturing process	Japan	2009-081886		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Manufacturing process	Japan	2009-080731		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium

Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Protective layer	Japan	2009-080694		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc
Manufacturing process	Japan	2009-080691		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc
Protective layer	Japan	2009-080695		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc
Other	Japan	2009-080732		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Other	Japan	2009-083613		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of evaluating a magnetic recording medium
Under Layer	Japan	2009-087764		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Lubricant Layer	Japan	2009-080429		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Compound of lubricant for magnetic disc and magnetic disc
Other	Japan	2009-093412		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Thermal assist magnetic head and method of thermal assist magnetic recording
Protective layer	Japan	2009-095251		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and method of manufacturing same

Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Manufacturing process	Japan	2009-118244		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium
Recording Layer	Japan	2009-126734	2010-097680	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2009-132234	2010-097681	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Other	Japan	2009-116620		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc
Under Layer	Japan	2009-124786		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Recording Layer	Japan	2009-137989		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Other	Japan	2009-102907		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of evaluating magnetic disc, method of producing a magnetic disc and magnetic disc
Other	Japan	2009-124787		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of producing a discrete track medium
Under Layer	Japan	2009-080710		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium

Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Manufacturing process	Japan	2009-142602		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium
Under Layer	Japan	2009-150466		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Other	Japan	2009-155953		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of nanoindentation testing and nanoindentation testing apparatus
Other	Japan	2008-558107		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium, method of producing a magnetic recording medium
Recording Layer	Japan	2009-171742		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Lubricant Layer	Japan	2009-169848		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Lubricant for magnetic disc and magnetic disc
Protective layer	Japan	2009-154722		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium
Other	Japan	2009-164086		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of evaluating a perpendicular magnetic recording medium and method of producing a perpendicular magnetic recording medium
Other	Japan	2009-228573		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium

Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Other	Japan	2009-228513		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a patterned medium
Recording Layer	Japan	2009-229128		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Other	Japan	2009-229129		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of manufacturing control for a perpendicular magnetic recording medium
Under Layer	Japan	2009-229130		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Under Layer	Japan	2009-229131		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2009-229943		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Under Layer	Japan	2009-226575		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Manufacturing process	Japan	2009-251512		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Manufacturing process	Japan	2009-248180		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium



Category		Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Manufacturing process	Japan	2009-251513		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Under Layer	Japan	2010-083980		HOYA Corporation		Perpendicular magnetic disc
Recording Layer	Japan	2010-104704		HOYA Corporation		Perpendicular magnetic disc
Manufacturing process	Japan	2010-082385		HOYA Corporation		Method of producing a perpendicular magnetic disc
Other	Japan	2010-083553		HOYA Corporation		Thermal assisted magnetic disk, method of manufacturing same and method of magnetic recording
Other	Japan	2010-071499		HOYA Corporation		Magnetic disk and method of manufacturing same
Other	Japan	2010-082745		HOYA Corporation		Apparatus of magnetic disc
Under Layer	Japan	2010-077949		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Under Layer	Japan	2010-003359		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2009-278036		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Recording Layer	Japan	2010-082384		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing same
Recording Layer	Japan	2010-067388		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2010-029401		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Lubricant Layer	Japan	2010-067387		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Compound of lubricant for magnetic disc, magnetic disc and method of manufacturing same
Lubricant Layer	Japan	2010-033277		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of manufacturing a magnetic disc
Manufacturing Process	Japan	2009-297739		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Other	Japan	2010-075291		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of evaluating magnetic recording medium, method of manufacturing magnetic recording medium and magnetic recording medium
Other	Japan	2010-034300		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Single side perpendicular magnetic recording medium
Other	Japan	2009-298622		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Other	Japan	2009-298684		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and method of manufacturing same
Other	Japan	2010-077948		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	Japan	2010-005598		HOYA Corporation	National Institute for Materials Science	Perpendicular magnetic recording medium and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Recording Layer	Japan	2010-117826		HOYA Corporation		Perpendicular magnetic recording disc
Recording Layer	Japan	2010-117827		HOYA Corporation		Perpendicular magnetic recording disc
Under Layer	Japan	2010-122590		HOYA Corporation		Perpendicular magnetic recording disc
Under Layer	Japan	2010-122588		HOYA Corporation		Method of manufacturing a perpendicular magnetic disc
Under Layer	Japan	2010-122589		HOYA Corporation		Perpendicular magnetic recording disc
Under Layer	Japan	2010-122587		HOYA Corporation		Perpendicular magnetic recording media
Recording Layer	Japan	2010-127697		HOYA Corporation		Perpendicular magnetic recording medium and method of manufacturing same
Recording Layer	Japan	2010-120151		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording disc and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Manufacturing process	Japan	2010-120779		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of manufacturing a perpendicular magnetic media
Manufacturing process	Japan	2010-120780		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of manufacturing a perpendicular magnetic media
Under Layer	Japan	2010-141238		HOYA Corporation		Perpendicular magnetic recording media and methods for producing the same
Under Layer	Japan	2010-137110		HOYA Corporation		Perpendicular magnetic recording media and magnetic disc apparatus
Under Layer	Japan	2010-141844		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Lubricant Layer	Japan	2010-141845		HOYA Corporation		Method of producing a magnetic recording disc
Lubricant Layer	Japan	2010-141846		HOYA Corporation		Lubricant for magnetic disc, magnetic disc and method of producing the same
Under Layer	Japan	2010-135633		HOYA Corporation		Substrate for magnetic recording medium and perpendicular magnetic recording medium
Protective layer	Japan	2010-142100		HOYA Corporation		Magnetic disc and method of manufacturing same

## Attachment I

### Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Other	SG	9501341-3	49562	49562	HOYA Corporation		Device and method capable of quickly and faithfully detecting a surface roughness
Under layer	SG	9502234-9	38900	38900	HOYA Corporation		Method of manufacturing magnetic recording medium
Manufacturing Process	SG	9600737-2	38924	38924	HOYA Corporation		Magnetic recording medium and method for fabricating the same
Under layer	SG	9610160-5	66315	66315	HOYA Corporation		Magnetic recording media and methods for producing the same
Under layer	SG	9611436-8	74575	74575	HOYA Corporation		Magnetic recording medium and method of manufacturing the same
Lubricant Layer	SG	9500686-2	43665	43665	HOYA Corporation		Magnetic recording medium having a lubricant film coated on optimum conditions and method of evaluating the lubricant film
Under layer	SG	200001784-8	87096	87096	HOYA Corporation		Magnetic recording medium, and thermal stability measuring method and apparatus of magnetic recording medium
Under layer	SG	200200426-5	102651	102651	HOYA Corporation		Magnetic recording medium, and thermal stability measuring method and apparatus of magnetic recording medium
Lubricant Layer	SG	200304869-1	130014	130014	HOYA Corporation		Magnetic recording disk and process for manufacturing thereof
Lubricant Layer	SG	200400450-3	108947	108947	HOYA Corporation		Magnetic recording disk and process for manufacture thereof
Under layer	SG	200404303-0	108964	108964	HOYA Corporation		Perpendicular magnetic recording medium

Attachment I-1

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	SG	200506167-6	121177	121177	HOYA Corporation		Method of producing a lubricant for a magnetic disk, lubricant for a magnetic disk, magnetic disk, and method of producing a magnetic disk
Recording Layer	SG	200203979-0	108859	108859	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Other	SG	200207548-9	108888	108888	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Protective layer	SG	200300790-3	120914	120914	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Lubricant Layer	SG	200401454-4	124278	124278	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	SG	200902359-9	152223	HOYA Corporation		Lubricant for magnetic disks, method for producing the lubricant used in the magnetic disks, and method for manufacturing the same
Recording Layer	SG	200904258-1	153846	HOYA Corporation		Perpendicular magnetic recording disk and process for producing the same
Under layer	SG	200708497-3	135694	HOYA Corporation		Perpendicular magnetic recording disk and manufacturing method thereof
Under layer	SG	200708992-3	135861	HOYA Corporation		Magnetic recording medium-use substrate and vertical magnetic recording medium
Lubricant Layer	SG	200802340-0	141082	HOYA Corporation		Magnetic recording disk and method for manufacture thereof
Lubricant Layer	SG	200802342-6	141084	HOYA Corporation		Magnetic recording disk and method for manufacture thereof
Lubricant Layer	SG	200805319-1	144509	HOYA Corporation		Magnetic disk
Protective layer	SG	200807114-4	146310	HOYA Corporation		Magnetic disc and method for manufacturing same
Lubricant Layer	SG	200807297-7	148228	HOYA Corporation		Magnetic disc and method for manufacturing same

Attachment I-2

NB1:799453.4

**PATENT**  
**REEL: 029673 FRAME: 0342**

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	SG	200903500-7	152692	HOYA Corporation		Lubricant for magnetic disk, process for producing the same, and magnetic disk
Other	SG	200906433-8	155694	HOYA Corporation		Magnetic recording medium and method for manufacturing magnetic recording medium
Recording Layer	SG	200807111-0	146308	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Vertical magnetic recording disk and method for manufacturing the same
Recording Layer	SG	200807107-8	146304	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method for manufacturing vertical magnetic recording medium
Recording Layer	SG	200807109-4	146306	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Vertical magnetic recording disk and method for manufacturing the same
Protective layer	SG	200807077-3	148223	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method for manufacturing magnetic disc, and magnetic disc
Recording Layer	SG	200807298-5	146770	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method for manufacturing vertical magnetic recording disc, and vertical magnetic recording disc
Other	SG	200901980-3	150990	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method for manufacturing magnetic recording medium and method for manufacturing laminated body
Recording Layer	SG	200902705-3	151853	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Other	SG	200905355-4	154718	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium, magnetic recording medium manufacturing method, and magnetic disk

Attachment I-3

NB1:799453.4

**PATENT**  
**REEL: 029673 FRAME: 0343**

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Protective layer	SG	200906484-1	155720	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Vertical magnetic recording medium and its manufacturing method
Under layer	SG	200906485-8	156038	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Other	SG	200708935-2	141397	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method for manufacturing magnetic recording medium
Other	SG	200708933-7	141396	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and method for manufacturing magnetic recording medium

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Recording Layer	SG	200907931-0	157179	HOYA Corporation		Vertical magnetic recording medium and vertical magnetic recording medium manufacturing method
Under layer	SG	200907932-8	157180	HOYA Corporation		Process for producing vertical magnetic recording medium
Protective layer	SG	200908588-7	159576	HOYA Corporation		Magnetic disk and process for producing the magnetic disk
Protective layer	SG	200908587-9	159575	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk, and magnetic disk manufacturing method
Under layer	SG	201002637-5	160784	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Vertical magnetic recording medium
Recording Layer	SG	200908509-3	159574	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	SG	200908590-3	159577	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Vertical magnetic recording medium

Attachment I-4

NB1:799453.4

**PATENT**  
**REEL: 029673 FRAME: 0344**



Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Protective layer	SG	200908340-3	158205	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Vertical magnetic recording medium and method for manufacturing the same
Other	SG	201002261-4		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Under layer	SG	201002203-6		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing the same
Recording Layer	SG	201002262-2		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and method of manufacturing the same
Lubricant Layer	SG	201001084-1		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of manufacturing a magnetic disk
Other	SG	201001236-7		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Single-sided perpendicular magnetic recording medium
Lubricant Layer	SG	201002104-6		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Lubricant compound for a magnetic disk, magnetic disk, and method of manufacturing the same
Recording Layer	SG	201002200-2		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Lubricant Layer	SG	201003779-4 National phase application of PCT/JP2009/56290		HOYA Corporation		Magnetic disk and process for producing the magnetic disk
Lubricant Layer	SG	201003777-8 National phase application of PCT/JP2009/56244		HOYA Corporation		Magnetic disc and method for manufacturing the same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Lubricant Layer	SG	201003781-0 National phase application of PCT/JP2009/56256		HOYA Corporation		Magnetic disk and process for producing the magnetic disk
Other	SG	201003746-3 National phase application of PCT/JP2009/54394		HOYA Corporation		Magnetic recording medium and method for manufacturing magnetic recording medium
Manufacturing Process	SG	201003749-7 National phase application of PCT/JP2009/54395		HOYA Corporation		Magnetic recording medium and method for manufacturing the same

## Attachment I

### Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	CN	200410006706.5		ZL200410006706.5	HOYA Corporation		Magnetic disk and method of manufacturing same
Lubricant Layer	CN	200410032656.8		ZL200410032656.8	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc and magnetic disc

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	CN	200580002462.6		ZL200410006706.5	HOYA Corporation		Method of producing a lubricant for a magnetic disk, lubricant for a magnetic disk, magnetic disk, and method of producing a magnetic disk
Lubricant Layer	CN	200910001714.3		ZL200410032656.8	HOYA Corporation		Method of producing a lubricant for a magnetic disk, lubricant for a magnetic disk, magnetic disk, and method of producing a magnetic disk
Recording Layer	CN	200580021380.6	Patent No.: ZL200580021380.6		HOYA Corporation		Perpendicular magnetic recording disc and process for manufacture thereof
Lubricant Layer	CN	200510107545.3			HOYA Corporation		Method of producing a lubricant for a magnetic disk, lubricant for a magnetic disk, magnetic disk, and method of producing a magnetic disk
Lubricant Layer	CN	200680036017.6			HOYA Corporation		Magnetic recording disk and method of manufacturing same
Lubricant Layer	CN	200680036127.2			HOYA Corporation		Magnetic recording disk and method of manufacturing same

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Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	CN	200780002982.6			HOYA Corporation		Magnetic disc
Lubricant Layer	CN	200780011318.8			HOYA Corporation		Magnetic disk and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Lubricant Layer	CN	Counterpart application of Japanese application No.2010-067387 [Application number pending]		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Lubricant for a magnetic disk, Magnetic recording disc and process for manufacture thereof

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Recording Layer	CN	201010002057.7		HOYA Corporation		Perpendicular magnetic recording disc and process for manufacture thereof
Lubricant Layer	CN	Divisional application of Chinese application No.200680036127.2 [application number pending]		HOYA Corporation		Magnetic recording disk and method of manufacturing same

## Attachment I

### Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	EP	95304352.8		750296	HOYA Corporation		Magnetic recording medium having an uppermost lubricant layer

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Recording Layer	EP	05765413.9			HOYA Corporation		Perpendicular magnetic recording disc and process for manufacture thereof
Lubricant Layer	EP	04007350.4			HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc and magnetic disc

Attachment I-1

Attachment I

Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Under layer	KR	10-1998-0043373		319502	HOYA Corporation		Perpendicular magnetic recording medium and process for manufacture thereof
Under layer	KR	10-1999-0005557		328750	HOYA Corporation		Magnetic disc apparatus

Attachment I-1

Attachment I

Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	MY	9501712		MY-114183-A	HOYA Corporation		Magnetic recording medium, method of manufacturing the magnetic recording medium and method of evaluating the magnetic recording medium

Attachment I-1

Attachment I

**Transferred Patents and Patent Applications**

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	PH	1-1995-50810-A		1-1995-50810-A	HOYA Corporation		Magnetic Recording Medium Having A Lubricant Film

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Recording Layer	PH	1-2006-502611			HOYA Corporation		Perpendicular Magnetic Recording Disk and Process for Producing The Same

Attachment I-1



Attachment I

Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	FR	95304352.8	750296	750296	HOYA Corporation		Magnetic recording medium having an uppermost lubricant layer

Attachment I-1

Attachment I

Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	GB	95304352.8	750296	750296	HOYA Corporation		Magnetic recording medium having an uppermost lubricant layer

Attachment I-1

Attachment I

Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention	Category
Lubricant Layer	DE	95304352.8	750296	69535190.7 -08	HOYA Corporation		Magnetic recording medium having an uppermost lubricant layer

Attachment I-1

## Attachment I

### Transferred Patents and Patent Applications

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	WO	PCT/JP2009/56290		HOYA Corporation		Magnetic disk and method of manufacturing same
Lubricant Layer	WO	PCT/JP2009/56244		HOYA Corporation		Magnetic disk and method of manufacturing same
Lubricant Layer	WO	PCT/JP2009/56256		HOYA Corporation		Magnetic disk and method of manufacturing same
Other	WO	PCT/JP2009/54394	WO2009/116412	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Manufacturing Process	WO	PCT/JP2009/54395	WO2009/116413	HOYA Corporation		Magnetic recording medium and method of manufacturing same
Lubricant Layer	WO	PCT/JP2009/55794	WO2009/122963	HOYA Corporation		Method of producing a perpendicular magnetic recording medium and perpendicular magnetic recording medium
Manufacturing Process	WO	PCT/JP2009/55898	WO2009/119635	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium and perpendicular magnetic recording medium
Recording Layer	WO	PCT/JP2009/56050	WO2009/119708	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and process for manufacture thereof
Recording Layer	WO	PCT/JP2009/56051	WO2009/119709	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and process for manufacture thereof

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Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Under layer	WO	PCT/JP2009/055899	WO2009/119636	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	WO	PCT/JP2009/56585	WO2009/123161	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Other	WO	PCT/JP2009/065448		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium and magnetic recording medium
Manufacturing Process	WO	PCT/JP2009/66988		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium and magnetic recording medium
Recording Layer	WO	PCT/JP2009/005030		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	WO	PCT/JP2009/66200	WO2010/032767	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	WO	PCT/JP2009/066199	WO2010/032766	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and process for manufacture thereof
Under layer	WO	PCT/JP2009/66704		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and process for manufacture thereof
Lubricant Layer	WO	PCT/JP2009/67022		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disc and process for manufacture thereof

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Recording Layer	WO	PCT/JP2009/070499		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording disc and process for manufacture thereof
Other	WO	PCT/JP2009/70624		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and process for manufacture thereof
Other	WO	PCT/JP2010/52567		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Lubricant Layer	WO	PCT/JP2010/55469		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Lubricant for a magnetic disk and magnetic disc

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Under layer	WO	PCT/JP2010/58673		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Under layer	WO	PCT/JP2010/58678		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Protective layer	WO	PCT/JP2010/59127		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium
Lubricant Layer	WO	PCT/JP2010/60524		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Lubricant for magnetic disc and magnetic disc
Other	WO	PCT/JP2010/60525		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of evaluating a perpendicular magnetic recording medium and method of producing a perpendicular magnetic recording medium

Attachment I-3

NB1:799453.4

RECORDED: 01/22/2013

**PATENT**  
**REEL: 029673 FRAME: 0358**