

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hoya Magnetics Singapore Pte Ltd	06/30/2010
Hoya Corporation	06/30/2010

RECEIVING PARTY DATA

Name:	Western Digital Corporation
Street Address:	20511 Lake Forest Drive
City:	Lake Forest
State/Country:	CALIFORNIA
Postal Code:	92630

Name:	WD Media (Singapore) Pte. Ltd.
Street Address:	8 Cross Street
Internal Address:	#11-00, PWC Building
City:	Singapore
State/Country:	SINGAPORE
Postal Code:	048424

PROPERTY NUMBERS Total: 81

Property Type	Number
Patent Number:	5640089
Patent Number:	5900324
Patent Number:	5746893
Patent Number:	5954927
Patent Number:	6287429
Patent Number:	5824427
Patent Number:	5968679
Patent Number:	5919560

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Patent Number:	6099981
Patent Number:	7220500
Patent Number:	7420886
Patent Number:	6670055
Patent Number:	7252897
Patent Number:	7277254
Patent Number:	7045215
Patent Number:	6365012
Patent Number:	7531485
Patent Number:	6270885
Patent Number:	6387483
Patent Number:	6204995
Patent Number:	6426157
Patent Number:	7090934
Patent Number:	6759138
Patent Number:	7169487
Patent Number:	6946191
Patent Number:	7208236
Patent Number:	6916558
Patent Number:	7105241
Patent Number:	7166319
Patent Number:	7537846
Patent Number:	7174775
Application Number:	10898348
Application Number:	10586150
Application Number:	10576755
Application Number:	11909598
Application Number:	11887539
Application Number:	12088803
Application Number:	12088831
Application Number:	12161626
Application Number:	12295562
Application Number:	12295011
Application Number:	12443435
Application Number:	12593243

Application Number:	11602207
Application Number:	11563411
Application Number:	12141593
Application Number:	11050791
Application Number:	11623488
Application Number:	11238011
Application Number:	11485328
Application Number:	12295573
Application Number:	12295550
Application Number:	12295621
Application Number:	12294285
Application Number:	12295496
Application Number:	12443142
Application Number:	12443372
Application Number:	12526866
Application Number:	12594092
Application Number:	12594043
Application Number:	11862410
Application Number:	11862789
Application Number:	12758195
Application Number:	12602446
Application Number:	12602430
Application Number:	12666552
Application Number:	12666555
Application Number:	12738201
Application Number:	12666255
Application Number:	12666561
Application Number:	12665271
Application Number:	12751329
Application Number:	12749854
Application Number:	12751237
Application Number:	12708050
Application Number:	12709845
Application Number:	12732945
Application Number:	12749147

Application Number:	12744862
Application Number:	12744829
Application Number:	12744611

CORRESPONDENCE DATA

Fax Number: (213)430-6407
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: (213) 430-8308
Email: sgordon@omm.com
Correspondent Name: Shari L. Gordon
Address Line 1: 400 S. Hope Street
Address Line 2: 18th Floor
Address Line 4: Los Angeles, CALIFORNIA 90071-2899

ATTORNEY DOCKET NUMBER:	922,070-57
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NAME OF SUBMITTER:	Shari L. Gordon
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Total Attachments: 14
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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, a Singapore company (the "Company"), Hoya Corporation, a Japanese corporation ("Parent", and together with the Company, "Sellers" or "Assignors"), Western Digital Corporation, a Delaware corporation ("Buyer's Parent"), and WD Media (Singapore) Pte. Ltd., a Singapore company and wholly owned subsidiary of Buyer's Parent ("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: 
Name: Tatsuji Kohama
Title: Executive Director

HOYA CORPORATION

By: 
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 (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:

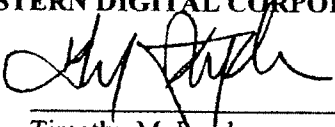
HOYA CORPORATION

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

Signature Page to Intellectual Property Assignment (US)

Attachment I

U.S. Transferred Patents and Patent Applications

1. Registered Patents or Allowed Applications.

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
Other	US	08/526646		5640089	HOYA Corporation		Method and apparatus for surface roughness detection - using a magneto-resistive element
Under layer	US	08/548863		5900324	HOYA Corporation		Magnetic recording media, methods for producing the same and magnetic recorders
Under layer	US	08/575019		5746893	HOYA Corporation		Method of manufacturing magnetic recording medium
Under layer	US	08/917112		5954927	HOYA Corporation		Method of manufacturing magnetic recording medium
Under layer	US	09/312162		6287429	HOYA Corporation		Magnetic recording medium having an improved magnetic characteristic
Under layer	US	08/673754		5824427	HOYA Corporation		Magnetic recording media and methods for producing the same
Under layer	US	08/758015		5968679	HOYA Corporation		Magnetic recording medium and method of manufacturing the same
Lubricant Layer	US	08/493268		5919560	HOYA Corporation		Magnetic recording medium having a lubricant film
Lubricant Layer	US	09/283305		6099981	HOYA Corporation		Magnetic recording medium having a lubricant film coated on optimum conditions and method of evaluating the lubricant film
Under layer	US	09/540646		7220500	HOYA Corporation		Magnetic recording medium, and thermal stability measuring method and apparatus of magnetic recording medium
Under layer	US	11/788426		7420886	HOYA Corporation		Magnetic recording medium, and thermal stability measuring method and apparatus of magnetic recording medium

Attachment I-1

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
							recording medium
Under layer	US	09/925573		6670055	HOYA Corporation		Magnetic recording medium and manufacturing method therefor
Lubricant Layer	US	10/653429		7252897	HOYA Corporation		Magnetic recording disk and process for manufacture thereof
Lubricant Layer	US	11/097283		7277254	HOYA Corporation		Magnetic recording disk and process for manufacture thereof
Under layer	US	10/765222		7045215	HOYA Corporation		Magnetic recording disk and process for manufacture thereof
Other	US	08/443556		6365012	HOYA Corporation		Magnetic recording medium and a method of manufacturing the same
Lubricant Layer	US	11/234083		7531485	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
Under layer	US	09/193730		6270885	HOYA Corporation		Perpendicular magnetic recording medium
Under layer	US	09/172911		6387483	HOYA Corporation		Perpendicular magnetic recording medium and manufacturing process therefor
Under layer	US	09/250421		6204995	HOYA Corporation		Magnetic disc apparatus
Under layer	US	09/366251		6426157	HOYA Corporation		Perpendicular magnetic recording medium
Under layer	US	10/141446		7090934	HOYA Corporation		Perpendicular magnetic recording medium
Recording Layer	US	10/186723		6759138	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Antiferromagnetically coupled magnetic recording medium with dual-layered upper magnetic layer
Other	US	10/319566		7169487	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Protective layer	US	10/370722		6946191	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Protective layer	US	11/123065		7208236	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium with multi-portion carbon-based protection layer, and apparatus

Category	Country	Application Number	Publication Number	Patent Number	Holder (1)	Holder (2)	Title Of The Invention
							thereof
Under layer	US	10/778186		6916558	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk using a glass substrate
Lubricant Layer	US	10/809352		7105241	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and method of manufacturing same
Lubricant Layer	US	10/854256		7166319	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and method of producing the same
Protective layer	US	10/984766		7537846	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk, method of manufacturing the magnetic disk and method of evaluating the magnetic disk
Protective layer	US	11/050764		7174775	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Solid body surface evaluation method, magnetic disk evaluation method, magnetic disk, and manufacturing method thereof

2. Patents Pending.

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Under layer	US	10/898348		HOYA Corporation		Perpendicular magnetic recording medium
Lubricant Layer	US	10/586150		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	US	10/576755		HOYA Corporation		Perpendicular magnetic recording disc and a method of manufacturing the same
Under layer	US	11/909598		HOYA Corporation		Perpendicular magnetic recording disc and a method of manufacturing the same
Under layer	US	11/887539		HOYA Corporation		substrate for a magnetic recording medium and perpendicular magnetic recording medium
Lubricant Layer	US	12/088803		HOYA Corporation		Magnetic recording disk and process for manufacture thereof

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
Lubricant Layer	US	12/088831		HOYA Corporation		Magnetic recording disk and process for manufacture thereof
Lubricant Layer	US	12/161626		HOYA Corporation		Magnetic disk
Protective layer	US	12/295562		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and process for manufacture thereof
Lubricant Layer	US	12/295011		HOYA Corporation		Magnetic disk and process for manufacture thereof
Lubricant Layer	US	12/443435		HOYA Corporation		Method of producing a lubricant for a magnetic disk, lubricant for a magnetic disk and magnetic disk
Other	US	12/593243		HOYA Corporation		Magnetic recording medium and process for manufacture thereof
Recording Layer	US	11/602207		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and process for manufacture thereof
Lubricant Layer	US	11/563411	Patent No.: 7597973	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and method of manufacturing same
Protective layer	US	12/141593		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk, method of manufacturing the magnetic disk and method of evaluating the magnetic disk
Lubricant Layer	US	11/050791		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and method of manufacturing same
Protective layer	US	11/623488	Patent No.: 7695833	HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Solid body surface evaluation method, magnetic disk evaluation method, magnetic disk, and manufacturing method thereof
Protective layer	US	11/238011	Patent No.: 7736768	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
Under layer	US	11/485328		HOYA Corporation	Ltd HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	US	12/295573		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording disc and method of manufacturing same
Recording Layer	US	12/295550		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording medium
Recording Layer	US	12/295621		HOYA Corporation		Perpendicular magnetic recording disc and method of manufacturing same
Protective layer	US	12/294285		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc and magnetic disc
Recording Layer	US	12/295496		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a perpendicular magnetic recording disc and perpendicular magnetic recording disc and method of manufacturing same
Other	US	12/443142		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method for manufacturing magnetic recording medium and method for manufacturing laminated body
Recording Layer	US	12/443372		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Other	US	12/526866		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and process for manufacture thereof
Protective layer	US	12/594092		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and process for manufacture thereof

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title Of The Invention
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Under layer	US	12/594043		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium
Other	US	11/862410		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic recording medium
Other	US	11/862789		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording medium and method of manufacturing same

4. Applications filed between November 30, 2009 and May 8, 2010.

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Lubricant Layer	US	12/758195		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and method of manufacturing same
Recording Layer	US	12/602446		HOYA Corporation		Perpendicular magnetic recording medium and process for manufacture thereof
Under layer	US	12/602430		HOYA Corporation		Perpendicular magnetic recording medium
Protective layer	US	12/666552		HOYA Corporation		Magnetic recording disc and process for manufacture thereof
Protective layer	US	12/666555		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic recording disc and process for manufacture thereof
Under layer	US	12/738201		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	US	12/666255		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	US	12/666561		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Protective layer	US	12/665271		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and process for manufacture thereof
Other	US	12/751329		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Under layer	US	12/749854		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium
Recording Layer	US	12/751237		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium and process for manufacture thereof
Lubricant Layer	US	12/708050		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Method of producing a magnetic disc
Other	US	12/709845		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Single side perpendicular magnetic recording medium
Lubricant Layer	US	12/732945		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Lubricant for a magnetic disk, Magnetic recording disc and process for manufacture thereof
Recording Layer	US	12/749147		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Perpendicular magnetic recording medium

5. Applications filed between May 9, 2010 and June 22, 2010

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Lubricant Layer	US	12/758195		HOYA Corporation	HOYA Magnetics Singapore Pte Ltd	Magnetic disk and method of manufacturing same
Lubricant Layer	US	12/744862		HOYA Corporation		Magnetic disk and method of manufacturing same
Lubricant Layer	US	12/744829		HOYA Corporation		Magnetic disk and method of manufacturing same
Lubricant Layer	US	12/744611		HOYA Corporation		Magnetic disk and method of manufacturing same

Category	Country	Application Number	Publication Number	Holder (1)	Holder (2)	Title of the invention
Other	US	National phase application of PCT/JP2009/54394 [application number pending]		HOYA Corporation		Magnetic recording medium and method of manufacturing same
Manufacturing Process	US	National phase application of PCT/JP2009/54395 [application number pending]		HOYA Corporation		Magnetic recording medium and method of manufacturing same