

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Hoo-san LEE</td><td>06/18/2008</td></tr><tr><td>Hoon-sang OH</td><td>06/18/2008</td></tr><tr><td>Sung-chul LEE</td><td>06/18/2008</td></tr></tbody></table>	Name	Execution Date	Hoo-san LEE	06/18/2008	Hoon-sang OH	06/18/2008	Sung-chul LEE	06/18/2008	
Name	Execution Date								
Hoo-san LEE	06/18/2008								
Hoon-sang OH	06/18/2008								
Sung-chul LEE	06/18/2008								
RECEIVING PARTY DATA									
Name:	Samsung Electronics Co., Ltd.								
Street Address:	416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi do 443-742								
City:	Suwon-si								
State/Country:	REPUBLIC OF KOREA								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12142903</td></tr></tbody></table>	Property Type	Number	Application Number:	12142903					
Property Type	Number								
Application Number:	12142903								
CORRESPONDENCE DATA									
Fax Number:	(202)478-1813								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	2024293789								
Email:	charles@mbiplaw.com								
Correspondent Name:	Charles Y. Park								
Address Line 1:	1120 20th St NW 750S								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20036								
ATTORNEY DOCKET NUMBER:	12000.SMG.0130								
NAME OF SUBMITTER:	Charles Y. Park								
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif									

OP \$40.00 12142903

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PATENT
REEL: 021128 FRAME: 0900

ASSIGNMENT

For valuable consideration, we,

Hoo-san LEE	c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea
Hoon-sang OH	c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea
Sung-chul LEE	c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea

hereby assign to:

SAMSUNG ELECTRONICS CO., LTD., a Republic of Korea corporation

having principal executive offices at:

416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of Korea; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number 12,142,903 filed 06/20/2008 at the U.S. Patent & Trademark Office signed by us, with title MAGNETIC HEAD AND RECORDING APPARATUS EMPLOYING THE SAME, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application serial number of said application when known, this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements, and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal this _____ 19 _____ day of

June, 2008

Signature: Lee Hoo San
Hoo-san LEE

City of Osan-si :

Country of Republic of Korea

Before me this _____ day of _____, 2008, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this _____ 18 _____ day of

June _____, 2008

Signature: Hoon-sang OH
Hoon-sang OH

City of Seongnam-si

Country of Republic of Korea

Before me this _____ day of _____, 2008, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this _____ 18 _____ day of

June _____, 2008

Signature: S. Lee
Sung-chul LEE

City of Osan-si :

Country of Republic of Korea

Before me this _____ day of _____, 2008, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public