

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Joo-ho LEE</td> <td>05/16/2008</td> </tr> <tr> <td>Kook-hyun SUNWOO</td> <td>05/16/2008</td> </tr> <tr> <td>Eun-sik KIM</td> <td>05/16/2008</td> </tr> <tr> <td>Kyoung-won NA</td> <td>05/16/2008</td> </tr> <tr> <td>Sang-hun LEE</td> <td>05/16/2008</td> </tr> </tbody> </table>		Name	Execution Date	Joo-ho LEE	05/16/2008	Kook-hyun SUNWOO	05/16/2008	Eun-sik KIM	05/16/2008	Kyoung-won NA	05/16/2008	Sang-hun LEE	05/16/2008
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<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.												
<b>Street Address:</b>	416, Maetan-dong, Yeongtong-gu												
<b>Internal Address:</b>	Gyeonggi-do												
<b>City:</b>	Suwon-si												
<b>State/Country:</b>	REPUBLIC OF KOREA												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12123492</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12123492								
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<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(202)293-7860												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	202-293-7060												
<b>Email:</b>	pharris@sughrue.com												
<b>Correspondent Name:</b>	SUGHRUE MION, PLLC												
<b>Address Line 1:</b>	2100 PENNSYLVANIA AVENUE, N.W.												
<b>Address Line 2:</b>	SUITE 800												
<b>Address Line 4:</b>	WASHINGTON, DISTRICT OF COLUMBIA 20037												
<b>ATTORNEY DOCKET NUMBER:</b>	Q107414												
<b>NAME OF SUBMITTER:</b>	Darryl Mexic												

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Total Attachments: 1  
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## Assignment

Whereas, We, Joo-ho LEE of Hwaseong-si, Gyeonggi-do, Republic of Korea, Kook-hyun SUNWOO of Hwaseong-si, Gyeonggi-do, Republic of Korea, Eun-sik KIM of Seoul, Republic of Korea, Kyoung-won NA of Seoul, Republic of Korea and Sang-hun LEE of Seoul, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in PERPENDICULAR MAGNETIC RECORDING HEAD AND METHOD OF MANUFACTURING THE SAME and executed an application for Letters Patent of the United States of America therefor on 16/May/2008; and


Whereas, SAMSUNG ELECTRONICS CO., LTD., (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number [application\_no] and Confirmation number [confirmation\_no], filed [application\_date]) the application number and filing date of said application when known.

Date: 16/May/2008

  
s/Joo-ho LEE

Date: 16/May/2008

  
s/Kook-hyun SUNWOO

Date: 16/May/2008

  
s/Eun-sik KIM

Date: 16/May/2008

  
s/Kyoung-won NA

Date: 16/May/2008

  
s/Sang-hun LEE

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)