

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>BYOUNG GYOU CHOI</td><td>01/02/2009</td></tr><tr><td>JEONG IL CHUN</td><td>01/02/2009</td></tr></tbody></table>	Name	Execution Date	BYOUNG GYOU CHOI	01/02/2009	JEONG IL CHUN	01/02/2009	
Name	Execution Date						
BYOUNG GYOU CHOI	01/02/2009						
JEONG IL CHUN	01/02/2009						
RECEIVING PARTY DATA							
Name:	SAMSUNG ELECTRONICS CO., LTD.						
Street Address:	416, Maetan-dong, Yeongtong-gu,						
City:	Suwon-si, Gyeonggi-do,						
State/Country:	REPUBLIC OF KOREA						
Postal Code:	442-742						
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>12357435</td></tr></tbody></table>	Property Type	Number	Application Number:	12357435			
Property Type	Number						
Application Number:	12357435						
CORRESPONDENCE DATA							
Fax Number:	(571)283-0740						
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ATTORNEY DOCKET NUMBER:	SEC.2354						
NAME OF SUBMITTER:	ADAM C. VOLENTINE						
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif							

CH 12357435 \$40.00

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PATENT
REEL: 022136 FRAME: 0931

VOLENTINE & WHITT, P.L.L.C. (01/2007)

ATTORNEY DOCKET NO. SEC.2334

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert
Name(s) of
Inventor(s)

- | | |
|----------------------------|-----------|
| 1. <u>Byoung Gyou CHOI</u> | 7. _____ |
| 2. <u>Jeong Il CHUN</u> | 8. _____ |
| 3. _____ | 9. _____ |
| 4. _____ | 10. _____ |
| 5. _____ | 11. _____ |
| 6. _____ | 12. _____ |

Insert
Name(s) of
Assignee(s) &

Address(es)

the undersigned hereby sell(s) and assign(s) to

SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do 442-742, Republic of Korea

Title of
Invention

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

HARD DISK DRIVE

Date of
Signing of
Application

for which an application for patent in the United States of America has been executed by the undersigned on January 2, 2009

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuing, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.



VOLENTINE & WHITT, P.L.L.C. (01/2007)

ATTORNEY DOCKET NO. SEC.2354

The undersigned hereby grant(s) the practitioners associated with the **CUSTOMER NUMBER 20987** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>2009 Jan. 2</u>	Signature of Inventor <u></u>
	<u>Byoung Gyeon CHOI</u>
Date <u>2009 Jan. 2</u>	Signature of Inventor <u></u>
	<u>Jaong Il CHOI</u>
Date _____	Signature of Inventor _____
Date _____	Signature of Inventor _____
Date _____	Signature of Inventor _____
Date _____	Signature of Inventor _____

(Note regarding Witnessing: It is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even if it has not been witnessed.)

Witness _____

Witness _____

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Applicant Reference No. SOV-000544-US