

05-21-2004

FORM PTO-1595

U.S. DEPARTMENT OF COMMERCE



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102750000

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 Jong-yoon KIM
 Chang-dong YEO
 Seung-hyun SONG
 Geun-soo KIM



5.18.04

2. Name and Address of receiving party(ies):
 SAMSUNG ELECTRONICS CO., LTD.
 416, Maetan-Dong, Yeongtong-gu,
 Suwon-si, Gyeonggi-do
 Republic of Korea

3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____
 Execution Date(s): May 17, 2004

4. Application number(s) or patent number(s):
☐ This document is being filed together with a new application:
 (a) The execution date(s) of the application is/are:
 (b) The title is:
 OR
☒ This document is being filed after filing of the application:
 (a) Patent Application No(s). 10/733,818, filed December 12, 2003; or
 (b) Patent No(s). , issued . _____

5. Name and address of party to whom correspondence concerning document should be mailed:
 STAAS & HALSEY LLP Our Docket: 1793.1084
 Attention: Michael D. Stein
 1201 New York Ave., N.W., Suite 700
 Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)
☒ Enclosed
☐ Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
 (Attach duplicate copy of this page if paying by deposit account)

Michael D. Stein, Reg. No. 37,240
 Name of Person Signing

Signature

5/18/04
 Date

Total number of pages including cover sheet: 4

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05/20/2004 LMUELLER 00000114 10733818

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40.00 DP

PATENT
 REEL: 015337 FRAME: 0607

U.S. ASSIGNMENT

SAM 100

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

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

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

METHODS OF OPTIMIZING RECORDING CURRENT AND SETTING RECORDING DENSITY OF HARD DISK DRIVE

relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on own date herewith or, if not so executed, was:

(a) executed on 17 May 2004 :

(Insert date of execution of application, if not concurrent)

(b) filed on December 12, 2003

Serial No. 10/733,818

Any registered attorney of STAAS & HALSLEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified date, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)	<u>JONG YOUN KIM</u>	<u>17 May 2004</u>	
	Jong-youn KIM		
2)	<u>Chang-dong YEO</u>		
	Chang-dong YEO		
3)	<u>Seung-hyun SONG</u>		
	Seung-hyun SONG		
4)	<u>Geun-eop KIM</u>		
	Geun-eop KIM		
5)			
6)			
7)			

PATENT

REEL: 015337 FRAME: 0608

U.S. ASSIGNMENT

524 5/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

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(a) executed on 17 May 2004 :

(Insert date of execution of application, if not concurrent)

(b) filed on December 12, 2003

Serial No. 10733,518

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified date, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

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(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)	<u>Jong-yoon KIM</u>	<u>17 May 2004</u>	
2)	<u>Chang-Dong YEO</u>	<u>17 May 2004</u>	
3)	<u>Seung-hyun SONG</u>		
4)	<u>Geun-woo KIM</u>		
5)	<u>Geun-woo Kim</u>	<u>17 May 2004</u>	
6)			
7)			

U.S. ASSIGNMENT

5224 (400)

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

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(b) filed on December 12, 2003

Serial No. 10/733,818

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4)	Geun-soo KIM		
5)			
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