

05-02-2005

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48549

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Jae-kab SEO Jun-young KIM
Bong-joo KIM Young-ho CHO
Chung-hum BAIK Myoung-joon KIM

Execution Date(s) April 20, 2005

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

9. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: Samsung Electronics Co., Ltd.

Internal Address:

Street Address: 416, Maetan-dong, Yeongtong-gu

City: Suwon-si

State: Gyeonggi-do

Country: Republic of Korea Zip: 442-742

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

04/22/2005 ZJUHR1 00000020 11110816

05 FC:8021

40.00 DP

Additional numbers attached? ☐ Yes ☒ No

☒ This document is being filed together with a new application.

B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:

Name: Roylance, Abrams, Berdo & Goodman, L.L.P.

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Street Address: 1300 19th Street, NW

City: Washington

State: D.C. Zip: 20036

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Fax Number: (202) 659-9344

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers

Expiration Date

b. Deposit Account Number 18-2220

Authorized User Name John E. Holmes

9. Signature:

Signature

Stan Torgovitsky
Name of Person Signing

Reg. No. 43,958

April 21, 2005
Date

Total number of pages including cover sheet, attachments, and documents:

3

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT
REEL: 016498 FRAME: 0612

ASSIGNMENT

WHEREAS, We, (1) Jae-kab SEO; (2) Jun-young KIM; (3) Bong-joo KIM; (4) Young-ho CHO; (5) Chung-hum BAIK; and (6) Myoung-joon KIM, all citizens of the Republic of Korea, residing respectively at (1) 301-402, Dongsuwon LG Village 3rd, Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; (2) 108-1904, Dongsuwon LC Village 1st, Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; (3) 208-1001, Dongsuwon LG Village, Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; (4) 101-502, Samsung Apartment, 76-7, Wooman-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; (5) 106-1102, Dongsuwon LG Village, Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and (6) 2-201, Green Villa, 44-10, Seodun-dong, Gyeongseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea, have made a certain invention entitled **"REEL DRIVING APPARATUS AND MAGNETIC RECORDING AND REPRODUCING DEVICE HAVING THE SAME"** for which we are making application for Letters Patent of the United States, which application has been executed concurrently herewith; and

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea (hereinafter ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the aforementioned invention and the aforementioned application and any and all United States Letters Patent to be obtained on said invention and/or application;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for good and valuable consideration paid to us by said ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, we, the ASSIGNORS, by these presents do hereby sell, assign, set over and transfer unto the said ASSIGNEE, its successors, legal representatives or assigns, the entire right, title and interest in and to the aforesaid invention in and for the United States; and in, to and under the aforesaid United States application and any divisional, continuing, substitute or reissue applications or supplementary disclosures which may be filed on said invention in the United States; and our right to file said foreign applications and claim priority under the provisions of any international treaty or convention; and any Letters Patent of the United States issued or granted on said invention and/or said applications;

AND WE HEREBY authorize and request the U.S. Patent and Trademark Office or other issuing authority to issue any and all patents on said invention and/or said application to said ASSIGNEE as sole assignee;

AND WE HEREBY covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any assignment or other instrument in conflict herewith;

AND WE HEREBY further covenant and agree to communicate to said ASSIGNEE, or its legal representatives, successors or assigns, any facts relating to said invention, including evidence for interference purposes or other proceedings, whenever requested, and to testify in any interference or in any other legal proceeding, when requested, and to execute

and deliver on request all lawful papers required to make any of the foregoing provisions effective; and to perform the aforesaid communicating, executing and delivering, without any payment except expenses and to perform the aforesaid testifying for reasonable compensation; and generally to do everything possible to aid the said ASSIGNEE, its successors, legal representatives or assigns to obtain and enforce proper patent protection on and for said invention in the United States, and likewise we make these provisions binding upon our heirs, legal representatives and/or administrators.

The undersigned hereby grant the firm of Roylance, Abrams, Berdo & Goodman 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.

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2005.

Seo Jae-kab
Jae-kab SEO

Lee Eun-ji

Witness Eun-ji LEE

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2005.

Kim Jun-young
Jun-young KIM

Lee Eun-ji

Witness Eun-ji LEE

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2005.

Kim Bong-joo
Bong-joo KIM

Lee Eun-ji

Witness Eun-ji LEE

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2005.

Cho Young-ho
Young-ho CHO

Lee Eun-ji

Witness Eun-ji LEE

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2005.



Witness Eun-ji LEE

BAIK chung-hum
Chung-hum BAIK

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2005.



Witness Eun-ji LEE

Kim Myoung-Joon
Myoung-joon KIM