

Recordation Form Cover Sheet PATENTS ONLY

Attorney's Docket No. 1030681-000354

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):**

SAMSUNG ELECTRONICS CO., LTD. and KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY

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/Execution Date(s):**

Execution Date(s): July 23, 2008

- | | |
|--|--|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Executive Order 9424 Confirmatory License |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Joint Research Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Government Interest Agreement | |
| <input type="checkbox"/> Other: _____ | |

4. **Application or patent number(s):**

A. Patent Application No.(s)
10/038,604

B. Patent No.(s)
6,777,077

This document is being filed together with a new application.

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

Name: Charles F. Wieland III
Address: Buchanan Ingersoll & Rooney PC
Customer Number 21839
P.O. Box 1404
Alexandria, VA 22313-1404

6. **Total number of applications and patents involved:** 1

7. **Total fee (37 CFR 1.21(h) & 3.41) \$ 40**

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | Authorized to be charged by credit card. PTO Form 2038 attached. |
| <input checked="" type="checkbox"/> | Authorized to be charged to deposit account 02-4800 |
| <input type="checkbox"/> | Enclosed. |
| <input type="checkbox"/> | None required (gov't interest not affecting title) |

8.

Signature:



Signature

33096
Reg. No.

August 4, 2008

Date

Charles F. Wieland III
Name of Person Signing

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

2

CH \$40.00 024800 10038604

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by Samsung Electronics Co., Ltd., having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea and Korea Advanced Institute of Science and Technology having a principal place of business at 373-1 Guseong-dong, Yuseong-gu, Daejeon, Republic of Korea (hereinafter referred to as "the Assignor"), respectively, witnesseth:

WHEREAS, the Assignors have the entire right, title and interest in and to certain new and useful improvements set forth in U.S. Patent No. 6,777,077 (formerly U.S. Patent Application No. 10/038,604), entitled: PERPENDICULAR MAGNETIC THIN FILM FOR ULTRAHIGH DENSITY RECORDING; and

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under and pursuant to the laws of Korea and having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (hereinafter referred to as a "Assignee", " "), is desirous of acquiring, and does hereby acquire, the entire right, title, and interest in and to said patent.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest according to the percentages above, in and to the above-mentioned patent, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the patent, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said patent, or any reissue or extension of any Letters Patent or Patents obtained or to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

SAMSUNG ELECTRONICS CO., LTD.

DATE July 23, 2008

Name: Dongkwan Kim
Title: Senior Manager