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

12.10.07

**1. Name of conveying party(ies)**

Yawshing Tang  
Carl Xiaodong Che

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) December 7, 2007; December 7, 2007

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- 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-3Dong

Yeongtong-Gu

City: Suwon City

State: Gyeonggi-Do

Country: Korea Zip: 443-742

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

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

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Ben J. Yorks

Internal Address: \_\_\_\_\_

Street Address: 840 Newport Center Dr., Ste. 400

City: Newport Beach

State: California Zip: 92660

Phone Number: (949) 760-0991

Fax Number: (949) 760-5200

Email Address: byorks@irell.com

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

**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 \_\_\_\_\_  
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b. Deposit Account Number 09-0946

Authorized User Name Ben J. Yorks

**9. Signature:**

Signature

Ben J. Yorks

Name of Person Signing

12/19/2007 03:00:01 00000005 090946 12001001  
01 PC:0001 40.00 Date  
December 10, 2007

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

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# ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Yawshing Tang and Carl Xiaodong Che**

hereby sell, assign, and transfer to:

**SAMSUNG ELECTRONICS CO., LTD.**

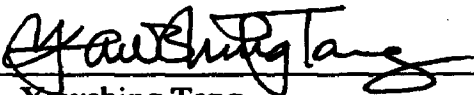

a Korean Corporation, having a principal place of business at 416, Maetan-3Dong, Yeongtong-Gu, Suwon City, Gyeonggi-Do, Korea 443-742 ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

## **DETECTING HEAD/DISK CONTACT USING TIMING JITTER**

and in and to said application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States application, and in all subsequent PCT and foreign applications claiming priority to the United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

<u>12/7/2007</u>	<u></u>
Date	Name: Yawshing Tang
<u>12/7/2007</u>	<u></u>
Date	Name: Carl Xiaodong Che

Irell & Manella LLP  
840 Newport Center Drive, Suite 400  
Newport Beach, CA 92660  
Telephone: 949-760-0991