Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)	
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A. Patent Application No.(s) Additional numbers at the second state: Ben J. Yorks Internal Address: Street Address: Newport Center Drive, Suite 400 City: Newport Beach State: California Zip: 92660 Phone Number: (949) 760-0991	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: 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
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Additional numbers a 5. Name and address to whom correspondence concerning document should be mailed: Name: Ben J. Yorks Internal Address: Street Address: 840 Newport Center Drive, Suite 400 City: Newport Beach State: California Zip: 92660 Phone Number: (949) 760-0991 Fax Number: (949) 760-5200 Email Address: byorks@irell.com	B. Patent No.(s) attached?

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PATENT REEL: 018331 FRAME: 0446

ASSIGNMENT

(For Execution Prior To Filing Patent Application)

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

Chao Yuan Chen

hereby sell, assign, and transfer to:

SAMSUNG ELECTRONICS CO., LTD.

a Delaware Corporation, having a principal place of business at 416 Maetan-Dong, Paldal-Gu, Suwon City, Kyungki-Do, Korea ("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:

NEW TEST METHOD TO MEASURE LUBRICANT MOBILITY ON A HARD DRIVE DISK

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.

Page 1 of 2

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Each inventor: Please also list the date that you signed the accompanying DECLARATION & POWER OF ATTORNEY

Each Inventor: Please Sign and Date Below:

Sep 19, 2006 Char from Name: Chan Yuan C

Sep 19. 2006

Date

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

RECORDED: 09/22/2006