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Documents the new address(es) below.

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Jin-kyu KIM
Song-ho YOON
Nam-yoon WOOAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Execution Date(s): December 28, 2006

- ☒ 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):

SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-dong, Yeongtong-gu
Suwon-si, Gyeonggi-do
Korea, Republic ofAdditional name(s) & address(es) attached? ☐ Yes ☒ No113013 U.S. PTO
11/657475
012507

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

A. Patent Application No.(s)

☒ This document is being filed together with a new application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE MION, PLLC
WASHINGTON OFFICE
23373
CUSTOMER NUMBER

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
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☒ Enclosed.
☐ None required (government interest not affecting title)

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Assignment

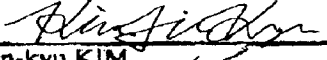
Whereas, We, Jin-kyu KIM; Song-ho YOON; and Nam-yoon WOO of Seoul, Republic of Korea, Yongin-si, Republic of Korea, and Suwon-si, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in NONVOLATILE MEMORY AND APPARATUS AND METHOD FOR DECIDING DATA VALIDITY FOR THE SAME and executed an application for Letters Patent of the United States of America therefor on December 28, 2006; and


Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

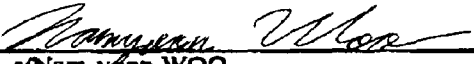
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the application number, confirmation number, and filing date of said application when known.

Date: ☒  December 28, 2006
s/Jin-kyu KIM

Date: ☒  December 28, 2006
s/Song-ho YOON

Date: ☒  December 28, 2006
s/Nam-yoon WOO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)