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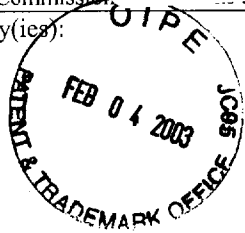
SHEET

U.S. DEPARTMENT OF COMMERCE
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102359116

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Chang-kyu BECK



2. Name and address of receiving party(ies):
Samsung Electronics Co., Ltd.
416 Maetan-dong, Paldal-gu,
Suwon-city, Kyungki-do,
Republic of Korea

2.4.03

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: January 26, 2003

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

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: January 26, 2003

A. Patent Application No.(s)
10/294,906

B. Patent No.(s)
Not Yet Assigned

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
PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved:
1

7. Total fee (37 CFR 3.41): \$40.00
 Enclosed.
 Authorized to be charged to Deposit Account No. 19-4880.
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Darryl Mexic
Darryl Mexic Reg. No. 23,063 February 4, 2003 Date

Total number of pages including cover sheet, attachments, and documents: 2
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02/06/2003 TDIAZ1 00000127 10294906
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PATENT
REEL: 013720 FRAME: 0540

Assignment

Whereas, I/We, Chang-kyu Beck of
106-807 Woosung Apt., Yangjae-dong, Seocho-gu, Seoul, Rep. of Korea

hereinafter called assignor(s), have invented certain improvements in

and executed an application for Letters Patent of the United States of America therefor on
26 January 2003; and

Whereas, Samsung Electronics Co., Ltd.
416 Maetan-dong, Paldal-gu,
Suwon-city, Kyungki-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,

I/We, the above named assignor(s), 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 and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director - 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 I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/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 10/294,906 and Confirmation number 9530 filed 15 November 2002) the filing date and application number of said application when known.

Date: Beck Chang-kyu 26 January 2003
s/ Chang-kyu Beck

Date:

s/

Date:

s/

Date:

s/

Date:

s/

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