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Docket No.: 401-1011



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Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027

DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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

1. Name of Conveying party(ies):  
 Junghoe KIM  
 Eunmi OH  
 Boris KUDRYASHOV  
 Konstantin OSIPOV

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

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: September 18, 2006

2. Name and address of receiving party(ies)  
 Name:  
 Samsung Electronics Co., Ltd.

Address:  
 416 Maetan-dong, Yeongtong-gu  
 Suwon-si, Gyeonggi-do  
 Republic of Korea

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 \_\_\_\_\_

A. Patent Application No.: 11/456,946      B. Patent No.(s):

Additional numbers attached:  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name:  
 Stanzione & Kim, LLP

Address:  
 919 18<sup>th</sup> St., NW, Suite 440  
 Washington, DC 20006

6. Total number of applications and patents involved: 1

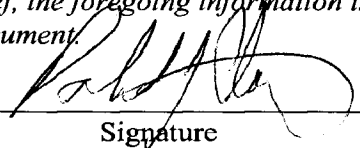
7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
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8. Deposit account number: 502827 11456946

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9. Statement and signature.  
*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.*

Patrick J. Stanzione            September 19, 2006  
 Name of Person Signing      Signature      Date

Total number of pages including cover sheet, attachments, and documents: 2

09/21/2006 15:01:01 06000050 502827 40 100 IM 01 FC:8021

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned Inventor(s) (hereinafter, "ASSIGNOR") by (insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG Electronics Co., Ltd.  
416 Mactan-dong, Yeongtong-gu  
Suwon-si, Gyeonggi-do  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

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relating to International Patent Application PCT \_\_\_\_/\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_\_; (Insert date of execution of application, if not concurrent)

(b) filed on July 12, 2006 \_\_\_\_\_

Serial No. 11/456,946 \_\_\_\_\_;

\*\*\* Any registered attorney of Starzicne & Kim, LLP, 919 18<sup>th</sup> Street, N.W., Washington, D.C. 20006, is hereby authorized to insert in section (b) above the specified data, when known.\*\*\*

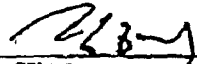
and to said application and all Letters patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.


IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

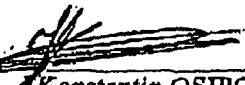
(Typed Name & Signature of Inventor(s))

(Date)

1)  September 18/2006  
Junghoe KIM

2)  September 18/2006  
Eunmi OH

3)  September 18/2006  
Boris KUDRYASHOV

4)  September 18/2006  
Konstantin OSIPOV

PATENT