03-12-2009

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U.S. DEPARTMENT OF COMMERCE

ment.

1. Name of conveying parties:

   (1) Tae-Joong KIM
   (2) Min-Hyouk LEE
   (3) Chang-Hwan HWANG

2. Name and Address of receiving party:

   SAMSUNG ELECTRONICS CO., LTD.
   416, Maetan-dong, Yeongtong-gu,
   Suwon-si, Gyeonggi-do 443-742
   Republic of Korea

3. Nature of conveyance:

   X Assignment   ___ Merger
   ___ Security Agreement   ___ Change of Name
   ___ Other: _____
   Execution Dates: (1) February 20, 2009, (2) February 23, 2009 and (3) February 20, 2009

4. Application number(s) or patent number(s):
   ☐ This document is being filed together with a new application.
                OR
   ☒ This document is being filed after filing of the application:
   (a)   Patent Application No(s). 29/333,204, filed March 4, 2009; or
   (b)   Patent No(s). , issued .

5. Name and address of party to whom correspondence concerning document should be mailed:
   STAAS & HALSEY LLP   Our Docket: 1860.1505
   Attention: Sang Chul Kwon
   1201 New York Ave., N.W., Suite 700
   Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) .. .. ($ 40.00 per Patent or Application in Assignment)
   ☐ Enclosed
   ☒ Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935   (Any underpayment is authorized to be charged to this Deposit Account)
   (Attach duplicate copy of this page if paying by deposit account)

Sang Chul Kwon, Registration No. 63,153   March 9, 2009
Name of Person Signing   Signature   Date

Total number of pages including cover sheet: 2

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03/11/2009 MJAMA1   00400032 29333204
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PATENT
REEL: 022391 FRAME: 0586

U.S. ASSIGNMENT

SAH 1/00

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, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do 443-742
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
(Title of Invention)

MOBILE PHONE

relating to International Patent Application PCT/KR____/_____ 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 ,

Serial No. Not Yet Assigned ;

> *Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) 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)*   *(Typed Name & Signature of Witness(es))*

1) Tae-Joong KIM   Feb. 20, 2009

2) Min-Hyouk LEE   Feb. 23, 2009

3) Chang-Hwan HWANG   Feb 20, 2009

4)

5)

6)

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