

U.S. DEPARTMENT OF COMMERCE

c2005 Staas & Halsey LLP

To the Director of the U.S. Patent and

103284681

| | |
|----------|------|
| ocument. | |

Name of conveying parties:

- (1) Yun-Su KIM
- (2) Min-Hyouk LEE
- (3) Jung-Hyeok IM
- (4) Chang-Hwan HWANG
- 2. Name and Address of receiving parties:

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) July 20, 2006, (2) July 20, 2006, (3) July 20 | |
| 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)., filed; or (b) Patent No(s)., issued. | |
| 5. | Name and address of party to whom correspondence concerning STAAS & HALSEY LLP Our Docket: 17' Attention: William F. Herbert 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 Applic ☐ Enclosed ☐ Authorized to be charged to deposit account. | eation in Assignment) |
| 8. | Deposit Account No.: 19-3935 (Any underpayment is authorized (Attach duplicate copy of this page if paying by deposit account) | to be charged to this Deposit Account) |
| | /illiam F. Herbert , Reg. No. 31,024 ame of Person Signing | July 27, 2006 Date |
| | Total n | umber of pages including cover sheet: 2 |
| | | |

07/28/2006 NNGUYENI 00000063 29/63629 84 FC:8021 40.00 OP

PATENT

REEL: 018138 FRAME: 0339

Docket No. 1779.1211

U.S. ASSIGNMENT

S&H 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 | | | |
|---|---|--|--|
| elating to International Patent Application PCT/KR States was executed on even date herewith or, if not so | | | |
| (a) executed on ; | (Insert date of execution of application, if not concurrent) | | |
| (b) filed on , | Any registered attorney of STAAS & HALSEY LLP, 1201 New York | | |
| Serial No.; | 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.

| ntor(s) has (have) affixed his/her/t (Date) | their signature(s). (Typed Name & Signature of Witness(es)) |
|--|--|
| July 20,2006 | |
| July 20, 2006 | • |
| 2006.7.20 | |
| Jul. 19. 2008 | |
| | |
| | |
| | |
| | (Date) July 20,2006 July 20,2006 2006.7.20 |

PATENT REEL: 018138 FRAME: 0340

RECORDED: 07/27/2006