

FORM PTO-1595  
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U.S. DEPARTMENT OF COMMERCE  
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Attorney Docket No: 4500-1-076

103600074

<p>1. Name of conveying party(ies): Sang-Bong SUNG; Kong-Min SA; Kyung-Jong LEE; Dong-Hwan KIM; Jae-Ho LEE; Byung-Chan JANG</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p>Other: _____</p> <p>Execution Date: <u>May 30, 2010</u></p>	<p>2. Name and address of receiving party(ies): Name: <u>SAMSUNG ELECTRONICS CO.:LTD.</u> Address: <u>416, MAETAN-DONG, YEONGTONG-GU</u> <u>SUWON-SI, GYEONGGI-DO</u> <u>REPUBLIC OF KOREA</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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: June 9, 2010

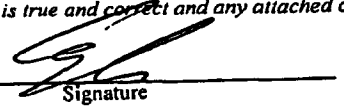
A. Patent Application No.(s)	B. Patent No.(s)
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Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Steve Cha</u> Address: <u>CHA &amp; REITER</u> <u>210 Route 4 East, Suite #103</u> <u>Paramus, New Jersey 07652</u></p>	6. Total number of applications and patents involved: <u>1</u>
	<p>7. Total fee (37 CFR 3.41): <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account, if necessary - for overages or underpayments only</p>
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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.*

<p><u>Steve Cha, Reg No.44,069</u> Name of Person Signing</p>	 Signature	<p><u>6/9/10</u> Date</p>
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Total number of pages including cover sheet, attachments, and document: 4

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### Assignment of Invention and Patent Application

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- |                    |    |  |
|--------------------|----|--|
| 1) Sang-Bong SUNG  | of | #301-2001, Umi Innosville, Jukjeon 1-dong, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea                |
| 2) Kong-Min SA     | of | #108-1402, Hyunjin Everville, Okgye-dong, Gumi-si, Gyeongbuk, Republic of Korea                              |
| 3) Kyung-Jong LEE  | of | #112-203, Chamnuri 1 Danji APT, Gisan-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea                      |
| 4) Dong-Hwan KIM   | of | #105-1205, Seongho 1 Cha APT, Byeongjeom-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea                   |
| 5) Jae-Ho LEE      | of | #285-501, Sanghyeon Maeul Hyundei Sungwoo 3 Cha APT, Sanghyeon 2-dong, Suji-gu, Yongin-si, Republic of Korea |
| 6) Byung-Chan JANG | of | #104-102, Daewoo Purgio Apt., Gupyeong-dong, Gumi-si, Gyeongbuk, Republic of Korea                           |

(hereinafter Assignor) hereby sells, assigns, transfers, and sets over unto:

**SAMSUNG ELECTRONICS CO., LTD.** of  
**416, MAETAN-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO,**  
**REPUBLIC OF KOREA**

(hereinafter Assignee) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. ' 1.00, in and to the invention entitled as:

#### **BUILT-IN ANTENNA FOR GLOBAL POSITIONING SYSTEM IN PORTABLE TERMINAL**

invented by Assignor; the application for United States patent therefor, invented by Assignor; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. Assignor authorizes Assignee to enter the date of signature and/or Serial Number and Filing Date in the above. Assignor also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said Assignee, for its interests as Assignee, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said Assignee; and Assignor further conveys to Assignee all priority rights resulting from the above-identified application for United States Patent. Assignor agrees to execute all papers, give any required testimony and perform other lawful

acts, as deemed essential by Assignee to perfect Assignee's interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and Assignee's interest therein.

**SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):**

**Name of First Inventor: Sang-Bong SUNG**

Sang-Bong Sung  
Signature of inventor

Dated: 30. May 2010

WITNESSED: J Lee

**Name of Second Inventor: Kong-Min SA**

Kong-Min SA  
Signature of inventor

Dated: 30. May 2010

WITNESSED: J Lee

**Name of Third Inventor: Kyung-Jong LEE**

Kyung-Jong LEE  
Signature of inventor

Dated: 30. May 2010

WITNESSED: J Lee

**Name of Fourth Inventor: Dong-Hwan KIM**

Kim Dong Hwan.  
Signature of inventor

Dated: 30. May 2010

WITNESSED: J Lee

Name of Fifth Inventor: Jae-Ho LEE

JAE HO LEE

Signature of inventor

Dated: 30 / May / 2010

WITNESSED: Lee

Name of Sixth Inventor: Byung-Chan JANG

Byung-chan Jang

Signature of inventor

Dated: 30. May. 2010

WITNESSED: Lee