

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sang-Jin EOM</td> <td>09/13/2012</td> </tr> <tr> <td>Ho-Saeng KIM</td> <td>09/13/2012</td> </tr> <tr> <td>Hoon PARK</td> <td>09/13/2012</td> </tr> <tr> <td>Joon-Ho BYUN</td> <td>09/13/2012</td> </tr> <tr> <td>Jun-Hwa OH</td> <td>09/13/2012</td> </tr> <tr> <td>Bum-Jin CHO</td> <td>09/13/2012</td> </tr> </tbody> </table>	Name	Execution Date	Sang-Jin EOM	09/13/2012	Ho-Saeng KIM	09/13/2012	Hoon PARK	09/13/2012	Joon-Ho BYUN	09/13/2012	Jun-Hwa OH	09/13/2012	Bum-Jin CHO	09/13/2012	
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Bum-Jin CHO	09/13/2012														
RECEIVING PARTY DATA															
Name:	Samsung Electronics Co., Ltd.														
Street Address:	129, Samsung-ro, Yeongtong-gu, Suwon-si														
City:	Gyeonggi-do														
State/Country:	KOREA, REPUBLIC OF														
PROPERTY NUMBERS Total: 1															
Property Type	Number														
Application Number:	13616072														
CORRESPONDENCE DATA															
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Phone:	201-226-9245														
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
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Address Line 2:	Suite 208														
Address Line 4:	Paramus, NEW JERSEY 07652														
ATTORNEY DOCKET NUMBER:	4500-1-172														
NAME OF SUBMITTER:	Steve Cha														
Total Attachments: 3 source=4500-1-172_Assignment#page1.tif source=4500-1-172_Assignment#page2.tif source=4500-1-172_Assignment#page3.tif															

CH \$40.00 13616072

PATENT

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-Jin EOM | of | #203-1801, 243, Gwongwang-dong, Paldal-gu, Suwon-si,
Gyeonggi-do, Republic of Korea |
| 2) Ho-Saeng KIM | of | 3F, 52, Yesulgongwon-ro 70beon-gil, Manan-gu, Anyang-si,
Gyeonggi-do, Republic of Korea |
| 3) Hoon PARK | of | 2F, 21-43, Dasan-ro 6-gil, Jung-gu, Seoul, Republic of Korea |
| 4) Joon-Ho BYUN | of | #107-401, 430, Pangyo-ro, Bundang-gu, Seongnam-si,
Gyeonggi-do, Republic of Korea |
| 5) Jun-Hwa OH | of | #302, 6-5, Gangnam-daero 39-gil, Seocho-gu, Seoul,
Republic of Korea |
| 6) Bum-Jin CHO | of | #777-505, 315-34, Dongtanwoncheon-ro, Hwaseong-si,
Gyeonggi-do, Republic of Korea |

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

SAMSUNG ELECTRONICS CO., LTD. of
129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742
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:

ANTENNA DEVICE FOR 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-Jin EOM



Signature of inventor

Dated: September 13, 2012

WITNESSED: Park

Name of Second Inventor: Ho-Saeng KIM



Signature of inventor

Dated: September 13, 2012

WITNESSED: Park

Name of Third Inventor: Heon PARK



Signature of inventor

Dated: September 13, 2012

WITNESSED: Park

Name of Fourth Inventor: Joon-Ho BYUN



Signature of inventor

Dated: September 13, 2012

WITNESSED: Park

Name of Fifth Inventor: Jun-Hwa OH



Signature of inventor

Dated: September 13, 2012

WITNESSED: Park

Name of Sixth Inventor: Bum-Jin CHO



Signature of inventor

Dated: September 13, 2012

WITNESSED: Park