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FORM PTO-1595 (Rev. 6/93)  RECORDATION FOR PATEN	ORM COVE TS ONLY	01-05-2010	ERCE Office
To the Assistant Co.	mmissioner for Pa	tients 100000441	
<ol> <li>Name of conveying party(ies): Dong Ho KIM; In Hoe KOO</li> </ol>	2. Name and address of receiving party(ies):		
	Name: SAMSUNG ELECTRONICS CO.; LTD.		
	Address:	416, MAETAN-DONG, YEONGTON	G-GU
Additional name(s) of conveying party(ies) attached? [1 Yes [X] No		SUWON-SI, GYEONGGI-DO	
3. Nature of conveyance:		REPUBLIC OF KOREA	
[X] Assignment [] Merger [] Security Agreement [] Change of Name		ICH OBEIC OF ROLL	
Other:	Additional na	ame(s) & address(es) attached? [] Yes [X] No	
Execution Date: December 18, 2009		MEGEIVE	
<ul><li>4. Application number(s) or patent number(s):</li><li>If this document is being filed together with a new application,</li></ul>	the execution date	JAN - 4 2010 e of the application is: December 18, 200	
A. Patent Application No.(s)	B. Patent No.	LI ti	
12/647,642			
Additional numbers att	ached? [] Yes	[x] No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total num	ber of applications and patents involved: _1	
Name: Steve Cha	7. Total fee (	37 CFR 3.41): \$40.00	
Address: CHA & REITER	[X] Enclo	sed	
210 Route 4 East, Suite #103 Paramus, New Jersey 07652		orized to be charged to deposit account, if ne ges or underpayments only	cessary

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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.

Steve Cha, Reg No.44,069 Name of Person Signing

Signature

8. Deposit account number: 502-470

Total number of pages including cover sheet, attachments, and document: 3

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01/04/2010 DHYRNE 00000075 1264/642

48.89 UD

01 FC:8021

(BDSM 8) (9/94)

**PATENT REEL: 023733 FRAME: 0975** 

Docket No.: 5004-1-210

## 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) Dong Ho KIM of No. 102-2003, Sinmiju A, Woncheon-dong, Yeongtong-gu,

Suwon-si, Gyeonggi-do, Republic of Korea

2) In Hoe KOO of 65-108, Jangwi 1-dong, Seongbuk-gu, Seoul, 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:

## LOCATION REGISTRATION METHOD, APPARATUS, AND SYSTEM

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.

1

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

Name of First Inventor: Dong Ho KIM

Signature of inventor

Signature of inventor

Dated: Dec 18.2009

WITNESSED:

Name of Second Inventor: In Hoe KOO

Signature of inventor

Dated: Dec 18.2009.

WITNESSED:

2

회수정이주GSM S/W개발그룹(무선) 20091218162447

**RECORDED: 01/04/2010** 

PATENT REEL: 023733 FRAME: 0977