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OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼	S ONLY Attorney Docket No. 678-2487 (P13032)					
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.						
1. Name of conveying party(ies): KIM, Eung-Sun LEE, Chung-Yong HAM, Jae-Sang SHIM, Sei-Joon LEE, Jong-Hyeuk KIM, Kyeong-Yeon	2. Name and address of receiving party(ies) Name: Samsung Electronics Co., Ltd.					
Additional name(s) of conveying party(ies) attached? 🖵 Yes 🌇 No	416, Maetan-dong, Yeongtong-gu,					
3. Nature of conveyance:	Suwon-si ⊃ 7					
Assignment	Gyeonggi-do, Republic of Korea					
Security Agreement Change of Name						
Other						
Execution Date: March 10, 2006	Additional name(s) & address(es) attached? 🍱 Yes 🖵 No					
4. Application number(s) or patent number(s):						
If this document is being filed together with a new appli	cation, the execution date of the application is: $\frac{3/10/2006}{1}$					
A. Patent Application No.(s)	B. Patent No.(s)					
Additional numbers at	ached? 📮 Yes 🌃 No					
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:					
concerning document should be mailed: Name: Paul J. Farrell, Esq.	7. Total fee (37 CFR 3.41)\$ \$40.00					
DILWORTH & BARRESE, LLP	Enclosed					
333 Earle Ovington Boulevard	Authorized to be charged to deposit account					
Uniondale, New York 11553	0.7 1121					
U.S. PTO Customer No. 28249	8. Deposit account number: 04-1121					
	(Attach duplicate copy of this page if paying by deposit					
	THIS SPACE					
9. Statement and signature.	intermedial in true and correct and any attached					
To the best of my knowledge and belief, the foregoing is a true copy of the original document.	intermation is true and correct and any attached copy 3/14/06					
Paul J. Farrell Name of Person Signing	Signature					
· ·	Signature Date sheet, attachments, and documents: 5					
Mail documents to be recorded with	required cover sheet information to: 2.0. Box 1450, Alexandria, VA 22313-1450.					

REEL: 017690 FRAME: 0775

PATENT

RECORDATION FORM COVER SHEET (Attachment)

Name and address of receiving party(ies)

Name:

Yonsei University 134, Shinchon-dong, Seodaemun-gu, Seoul, Republic of Korea

ASSIGNMENT

DOCKET NO 678-2487(P13032)

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that; IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto

ASSIGNEES Samsung Electronics Co., Ltd. Yonsei University

ADDRESSES. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea 134, Shinchon-dong, Seodzemun-gu, Seoul, Republic of Korea, respectively

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled

TITLE: APPARATUS AND METHOD FOR ALLOCATING USER IN A MULTIPLE ANTE NNA MOBILE COMMUNICATION SYSTEM SUPPORTING MULTI-USER DIVERSITY

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. (P13032), or is more particularly identified as

 executed on even date herewit 	h, or			
o Serial No.	filed in the U S	. Patent & T	rademark Office on	,ог
n executed on				

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., and YONSEI UNIVERSITY my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee,

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request <u>Peter G. Dilworth, Reg. No. 26,450 and Paul J. Farrell, Reg. No. 33,494</u>, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, o

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btain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

	INVENTOR(S)		Date Signed	Witness(es)
1)	Mar Eung-Sun KIM	(Seal)	300b. 3.10	· · · · · · · · · · · · · · · · · · ·
2)	Jae-Sang HAM	(Seal)		
3)	Jong-Hyeuk LEE	(Seal)	1 vol. 7.10	
4)	Chung-Yong LEE	(Seal)		<u></u>
5)	Sel-Joon SHIM	(Şeal)		· · · · · · · · · · · · · · · · · · ·
6)	Kyeang-Yean KIM	(Seal)		

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And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and logal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)	<u>Date Signed</u>	<u>Witness(es)</u>	
1) KIM, Eung-Sun	(Seel)		
2) Jacksong HAM, Jae-Sang	(Soal) 'o Ma	r.j.snob	
3) LÉE, Jong-Hyouk	(Seal)		
4) LEE, Chung-Yong	(Seal) (c/k(ar	12006	
5) SHIM, Sei-Joon	(Seal) 10 / Mu	1) 2006	
6) Im, Kyongyeon	(Seal) 10/Har	12006	

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