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Jae-hyon KIM; Young-hwan KIM; Seong-soo LEE;  
Joonhyuk KANG; Jaehwan KIM; Yungil KIM  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
SAMSUNG ELECTRONICS CO., LTD.  
416, Maetan-dong,  
Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea  
Additional name(s) & address(es) attached?  Yes  No

113261 U.S. PTO  
11/501829  
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3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: July 25, 2006

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: July 25, 2006  
A. Patent Application No.(s)  
Unknown  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
Unknown

5. Name and address of party to whom correspondence concerning document should be mailed:  
SUGHRUE MION, PLLC  
WASHINGTON OFFICE  
23373  
CUSTOMER NUMBER

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41): \$40.00  
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*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.*  
Darryl Mexic Reg. No. 23,063 August 10, 2006  
Date

Total number of pages including cover sheet, attachments, and documents: 2

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## Assignment

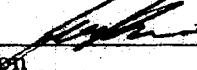
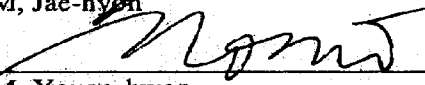



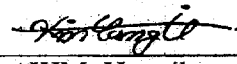
Whereas, We, Jae-hyon KIM of Suwon-si, Republic of Korea, Young-hwan KIM of Hwaseong-si, Republic of Korea, Seong-soo LEE of Suwon-si, Republic of Korea, Joonhyuk KANG of Seoul, Republic of Korea, Yungil KIM of Anyang-si, Republic of Korea, and Jaehwan KIM of Yeosu-si, Republic of Korea, hereinafter called assignors, have invented certain improvements in WIRELESS COMMUNICATION SYSTEM FOR REDUCING RANGING TIME and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (hereinafter called assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known.

Date:		July 25, 2006
	s/ KIM, Jae-hyon	
Date:		July 25, 2006
	s/ KIM, Young-hwan	
Date:		July 25, 2006
	s/ LEE, Seong-soo	
Date:		July 25, 2006
	s/ KANG, Joonhyuk	
Date:		July 25, 2006
	s/ KIM, Jaehwan	
Date:		July 25, 2006
	s/ KIM, Yungil	
Date:		

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)