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MODIFIED FORERTO-1595 $\overline{\mathbf{ET}}$ U.S. DEPARTMENT OF COMMERCE R 102834246 U.S. Patent and Trademark Office (Rev. 10/02) To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): SAMSUNG ELECTRONICS CO., LTD. Yeng-suk KIM 416, Maetan-dong, Yeongtong-gu, Won-yong YOON Suwon-si, Gyeonggi-do, 9-7-04 Republic of Korea Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: ☐ Merger ☑ Assignment ☑ Change of Name ☐ Security Agreement □ Other Execution Date: March 23, 2004 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 application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 10/838,516 Unknown Additional numbers attached? ☐ Yes ☑ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: SUGHRUE MION, PLLC 7. Total fee (37 CFR 3.41): \$40.00 ☑ Enclosed. WASHINGTON OFFICE ☐ Authorized to be charged to Deposit Account No. 19-4880. 23373 The USPTO is directed and authorized to charge all required CUSTOMER NUMBER fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. 8. Deposit Account Number: 19-4880 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Anche Ryn. 37,50 September 7, 2004 Darryl Mexic Total number of pages including cover sheet, attachments, and documents: 2 Mail documents to be recorded with required cover sheet information to: MAIL STOP ASSIGNMENT RECORDATION SERVICES

> Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

09/10/2004 MGETACHE 00000056 10838516

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PATENT REEL: 015765 FRAME: 0976

Docket No. Q77765 For Non-U-S. Clients

Assignment

	Seo-gu, Daejeon-city, Republic of Ko Advanced Institute of Technology, Gi espectively, hereinafter called assign TIME ALLOCATION METHOD IN	, of 108-1006, Dacjayeon Maeul Apartment, Kwanjeo-dong, rea, Won-yong YOON, of A-301, Dormitory of Samsung heung-eub, Yongin-city, Gyunggi-do, Republic of Korea, ors, have invented certain improvements in CHANNEL HIGH RATE WPAN and executed an application for America therefor on; and	
Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefore			
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 I/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 I/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.		
	I/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		
	Date:	March 23, 2004	
	s/Yong-suk KIM		
		97 % March 23, 2004	
s/Won-yong YOON			
	Legalization not required for recording but is	s prima facic evidence of execution under 35 U.S.C. §261)	

RECORDED: 09/07/2004

PATENT REEL: 015765 FRAME: 0977