



# ASSIGNMENT

Whereas, I/We, KIM, Kwang-Chul of 211-16 Chamshilbon-dong, Songpa-gu,  
Seoul 138-229 Rep. of Korea

hereinafter called assignor(s), have invented certain improvements in

APPARATUS AND METHOD FOR ACHIEVING SYMBOL TIMING AND FREQUENCY SYNCHRONIZATION  
TO ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SIGNAL

and executed an application for Letters Patent of the United States of America therefor on

15 January 2002; and

Whereas, SAMSUNG ELECTRONICS CO., LTD. of 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-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 therefor;

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

I/We the above-named assignor(s), 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 Commissioner of Patents 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 my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number 10/009,772, filed 17 December 2001 ), the filing date and application number of said application when known.

Date: 15 January 2002

s/   
KIM, Kwang-Chul

Date: \_\_\_\_\_

s/ \_\_\_\_\_

Date: \_\_\_\_\_

s/ \_\_\_\_\_

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