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PATENT REEL: 010674 FRAME: 0085

## **ASSIGNMENT**

Whereas, I/We, Dae-sik HONG, Keuk-joon BANG, Kyoung-shin PARK and Hyun-cheol PARK of 1-106 Daerim Apt., Yeonhui 3-dong, Seodaemun-gu Seoul, Republic of Korea; 102-902 Hyundai Apt., 186-60 Pukkajwa 1-dong, Seodaemun-gu, Seoul , Republic of Korea; 21-405 Hanyang Apt., Bono 2-dong, Ansan-city Kyungki-do, Republic of Korea and 601-901 Yuwon-boseong Apt., 1265 Kwonseon-dong, Kwonseon-gu, Suwon-city, Kyungki-do, Republic of Korea of Korea

## COARSE FREQUENCY OFFSET ESTIMATOR IN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING RECEIVER AND METHOD THEREOF

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

and invention, and to any United States patents to be obtained therefor;

Whereas, SAMSUNG ELECTRONICS CO., LTD. and YONSEI UNIVERSITY of 416 Maetondong, Paldal-gu, Suwon-city, Kyungki-do Republic of Korea and 134 Shinchon-dong, Seodaemun-gu,

Seoul Republic of Korea (assignee), desires to acquire the entire right, title and interest in the application

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 assignce, 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.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92

PATENT REEL: 010674 FRAME: 0086

## **ASSIGNMENT**

Whereas, I/We, Dae-sik HONG, Keuk-joon BANG, Kyoung-shin PARK and Hyun-cheol PARK of 1-106 Daerim Apt., Yeonhui 3-dong, Seodæmun-gu Seoul, Republic of Korea; 102-902 Hyundai Apt., 186-60 Pukkajwa 1-dong, Seodæmun-gu, Seoul , Republic of Korea; 21-405 Hanyang Apt., Bono 2-dong, Ansan-city Kyungki-do, Republic of Korea and 601-901 Yuwon-boseong Apt., 1265 Kwonseon-dong, Kwonseon-gu, Suwon-city, Kyungki-do, Rep.of hereinafter called assignor(s), have invented certain improvements in

<del>_</del>	SET ESTIMATOR IN ORTHOGONAL FREQUENCY XING RECEIVER AND METHOD THEREOF
and executed an application for Letters	Patent of the United States of America therefor on
19	February 2000 ; and
dong, Paldal-gu, Suwon-city, Kyungki	ONICS CO., LTD. and YONSEI UNIVERSITY of 416 Maeton-do Republic of Korea and 134 Shinchon-dong, Seodaemun-gu, sires to acquire the entire right, title and interest in the application patents to be obtained therefor;
Now therefore, for valuable cons	sideration, receipt whereof is hereby acknowledged,
its successors and assigns, the entire right therein for the United States of America. I/we request the Commissioner of Paten in the application to the assignee, its	s), hereby sell, assign and transfer to the above named assignee, ht, title and interest in the application and the invention disclosed, including the right to claim priority under 35 U.S.C. § 119, and its to issue any Letters Patent granted upon the invention set forth successors and assigns; and I/we will execute without further by the assignee in connection with the United States application see.
PLLC of 2100 Pennsylvania Avenue, N	st my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, .W., Washington, D.C. 20037-3202 to insert here in parentheses, filed <b>December 28, 1999</b> ) the filing date and application .
Date: 19 February 2000	SI fac-Sik Hong Dae-sik HONG
Date:	s/ Keuk-joon BANG
Date: 19 February 2000	s/ K foung-ShiN Park  Kyoung-shin PARK
Date: 19 February 2000	s/ HON-CHEOLPARK  Hyun-cheol PARK

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92

PATENT RECORDED: 04/07/2000 REEL: 010674 FRAME: 0087