

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Sung-Min HAN	11/15/2007
Ho-Kyom KIM	11/16/2007
Joon-Gyu RYU	11/16/2007
Young-Wan KIM	11/16/2007
Ki-Seop HAN	11/15/2007
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11948079
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ASSIGNMENT

WHEREAS We, **HAN, Sung-Min** of #101-307 Sekang Duovill Apt., 78-4, In-dong, Dong-gu, Daejon 300-020, Republic of Korea, **KIM, Ho-Kyom** of #112-906 Hanbit Apt., Eoeun-dong, Yuseong-gu, Daejon 300-755, Republic of Korea, **RYU, Joon-Gyu** of 13-11, Jeongnim-dong, Seo-gu, Daejon 302-230, Republic of Korea, **KIM, Young-Wan** of #104-1309 Clover Apt., Dunsan 1-dong, Seo-gu, Daejon 302-772, Republic of Korea, and **HAN, Ki-Seop** of #502-1003 Hyundai 5 Cha Apt., Mullae-dong, Yeongdeungpo-gu, Seoul 150-090, Republic of Korea (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

3-PORT ORTHOGONAL MODE TRANSDUCER AND RECEIVER AND RECEIVING METHOD USING THE SAME

which claims priorities to **Korean** Application No. 10-2006-0121372, filed on December 4, 2006, and **Korean** Application No. 10-2007-0019616, filed on February 27, 2007 and for which We are about to file an application for Letters Patent of the United States; AND WHEREAS, **Electronics and Telecommunications Research Institute** (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of **Republic of Korea** having a place of business at **161, Gajeong-dong, Yuseong-gu, Daejon 305-350, Republic of Korea**, is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any

and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: November 15, 2007 Ham Sung Min L.S.
HAN, Sung-Min

Date: Nov. 16, 2007 [Signature] L.S.
KIM, Ho-Kyom

Date: November 16, 2007 Joon Gyu, Ryu L.S.
RYU, Joon-Gyu

Date: Nov. 16, 2007 Kim L.S.
KIM, Young-Wan

Date: November 15, 2007 Ki Seop Han L.S.
HAN, Ki-Seop