

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>Yu-Ro LEE</td><td>05/13/2008</td></tr> <tr><td>Byung-Chan KIM</td><td>05/13/2008</td></tr> <tr><td>Minho CHEONG</td><td>05/13/2008</td></tr> <tr><td>Chanho YOON</td><td>05/13/2008</td></tr> <tr><td>Je-Hun LEE</td><td>05/13/2008</td></tr> <tr><td>Kwhang-Hyun RYU</td><td>05/13/2008</td></tr> <tr><td>Cheol-Jung KIM</td><td>05/13/2008</td></tr> <tr><td>Tae-Hyun JEON</td><td>05/13/2008</td></tr> </tbody> </table>		Name	Execution Date	Yu-Ro LEE	05/13/2008	Byung-Chan KIM	05/13/2008	Minho CHEONG	05/13/2008	Chanho YOON	05/13/2008	Je-Hun LEE	05/13/2008	Kwhang-Hyun RYU	05/13/2008	Cheol-Jung KIM	05/13/2008	Tae-Hyun JEON	05/13/2008
Name	Execution Date																		
Yu-Ro LEE	05/13/2008																		
Byung-Chan KIM	05/13/2008																		
Minho CHEONG	05/13/2008																		
Chanho YOON	05/13/2008																		
Je-Hun LEE	05/13/2008																		
Kwhang-Hyun RYU	05/13/2008																		
Cheol-Jung KIM	05/13/2008																		
Tae-Hyun JEON	05/13/2008																		
RECEIVING PARTY DATA																			
Name:	Electronics and Telecommunications Research Institute																		
Street Address:	161, Gajeong-dong, Yuseong-gu																		
City:	Daejeon																		
State/Country:	REPUBLIC OF KOREA																		
Postal Code:	305-350																		
PROPERTY NUMBERS Total: 1																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12131617</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12131617														
Property Type	Number																		
Application Number:	12131617																		
CORRESPONDENCE DATA																			
Fax Number:	(860)286-0115																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	860-286-2929																		
Email:	fcoleman@CANTORCOLBURN.COM																		
Correspondent Name:	CANTOR COLBURN, LLP																		
Address Line 1:	20 Church Street																		
Address Line 2:	22nd Floor																		
Address Line 4:	Hartford, CONNECTICUT 06103																		

CH \$40.00 12131617

ATTORNEY DOCKET NUMBER:

SHS-0036

NAME OF SUBMITTER:

Jae Y. Park

Total Attachments: 3

source=22J3101#page1.tif

source=22J3101#page2.tif

source=22J3101#page3.tif

ASSIGNMENT

WHEREAS We, **LEE, Yu-Ro** of #403-1201 Daedeok Techno Valley Apt., Gwanpyeong-dong, Yuseong-gu, Daejon 305-509, Republic of Korea, **KIM, Byung-Chan** of #403-4205 Samik Apt., Sung Ji Maeul, Daehwa-dong, Ilsanseo-gu, Goyang-si, Gyeonggi-do 411-410, Republic of Korea, **CHEONG, Minho** of #2-304 ETRI Dormitory, Gajeong-dong, Yuseong-gu, Daejon 305-350, Republic of Korea, **YOON, Chanho** of #106-801 ShinSung Worldcup Family Town, 323-2, Jangdae-dong, Yuseong-gu, Daejon 305-308, Republic of Korea, **LEE, Je-Hun** of #103-1803 Hanbit Apt., Eoeun-dong, Yuseong-gu, Daejon 305-755, Republic of Korea, **RYU, Kwhang-Hyun** of #102-706 Baekhap Apt., Wolpyeong-dong, Seo-gu, Daejon 302-280, Republic of Korea, **KIM, Cheol-Jung** of 236-1, Gajeong-dong, Yuseong-gu, Daejon 305-350, Republic of Korea, **JEON, Tae-Hyun** of #110-404 Seoan Apt., Park TownSunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-730, Republic of Korea, **LEE, Sok-Kyu** of #101-1102 Narae Apt., Jeonmin-dong, Yuseong-gu, Daejon 305-390, Republic of Korea (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

QR DECOMPOSITION APPARATUS AND METHOD FOR MIMO SYSTEM

which claims priorities to **Korean** Application No. 10-2007-0131455, filed on December 14, 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** 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.

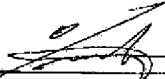
Date: 13/May/2008 Lee Yu Ro L.S.
LEE, Yu-Ro

Date: 13/May/2008. Kim Byung Chan L.S.
KIM, Byung-Chan

Date: 19/May/2008.  L.S.
CHEONG, Minh

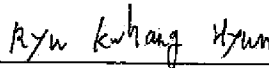
Date: 16/05/2008  L.S.
YOON, Chanho

Date: 13 / May / 2008



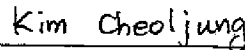
LEE, Je-Hun L.S.

Date: 13 / 05 / 2008



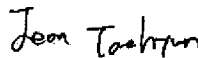
RYU, Kwang-Hyun L.S.

Date: 13 / May / 2008



KIM, Cheol-Jung L.S.

Date: 13 / May / 2008.



JEON, Tae-Hyun L.S.

Date: 13 / 05 / 2008



LEE, Sok-Kyu L.S.