

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hwang-Soo Lee</td><td>12/17/2008</td></tr><tr><td>Byung-Jik Keum</td><td>12/17/2008</td></tr><tr><td>Moo-Hong Lee</td><td>12/17/2008</td></tr><tr><td>Jeong-Han Jeong</td><td>12/17/2008</td></tr><tr><td>Young-Serk Shim</td><td>12/17/2008</td></tr></tbody></table>	Name	Execution Date	Hwang-Soo Lee	12/17/2008	Byung-Jik Keum	12/17/2008	Moo-Hong Lee	12/17/2008	Jeong-Han Jeong	12/17/2008	Young-Serk Shim	12/17/2008	
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Young-Serk Shim	12/17/2008												
RECEIVING PARTY DATA													
Name:	Korea Advanced Institute of Science and Technology												
Street Address:	373-1, Guseong-dong, Yuseong-gu												
City:	Daejeon												
State/Country:	REPUBLIC OF KOREA												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12338263</td></tr></tbody></table>	Property Type	Number	Application Number:	12338263									
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CORRESPONDENCE DATA													
Fax Number:	(215)735-9305												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	2157359302												
Email:	suzanne.chocklette@thebellesgroup.com												
Correspondent Name:	Brian L. Belles												
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ATTORNEY DOCKET NUMBER:	GIP-001-US												
NAME OF SUBMITTER:	Brian L. Belles												
Total Attachments: 3													

CH 12338263 \$40.00

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DOCKET NO.

PATENT
Joint Inventors

(Pending Application:
Serial No. Known)

ASSIGNMENT

WHEREAS, we LEE, Hwang -Soo, KEUM, Byung-Jik, LEE, Moo-Hong, JEONG, Jeong-Han, SHIM, Young-Serk, hereinafter referred to as the assignors, residing respectively at 2245, Daehak 2hogwan, Korea Advanced Institute of Science and Technology, 373-1 Guseong-dong, Yuseong-gu, Daejeon 305-701, Republic of Korea, 2105, LG Hall(N24), Korea Advanced Institute of Science & Technology, 373-1 Guseong-dong, Yuseong-gu, Daejeon 305-701, Republic of Korea, 104-201 Dream World Apt., Jangdae-dong, Yuseong-gu, Daejeon, Republic of Korea, 2105, LG Hall(N24), Korea Advanced Institute of Science and Technology, 373-1 Guseong-dong, Yuseong-gu, Daejeon 305-701, Republic of Korea, #1303 SK LeadersView 168 Dogok 1-dong, Gangnam-gu, Seoul, Republic of Korea are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Case No. 12/338263 Filing Date 12/18/08, entitled APPARATUS FOR SYNCHRONIZING OF OFDM SIGNAL USING OPEN-LOOP FREQUENCY SYNCHRONIZATION METHODS AND A FREQUENCY OFFSET ESTIMATION SCHEME USING THE APPARATUS ; and

WHEREAS, KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY hereinafter referred to as the assignee, of 373-1, Guseong-dong, Yuseong-gu, Daejeon, Republic of Korea, a university of Korea, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue

DOCKET NO. @@

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delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

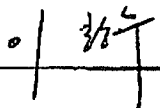
AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

We further authorize and direct our attorneys to insert below* the serial number and filing date of said application now identified as Case No. @@ as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

LEE, Hwang-Soo

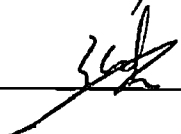
Date 12/17/2008

 (L.S.)KEUM, Byung-Jik

Date 12/17/2008

 (L.S.)LEE, Moo-Hong

Date 12/17/2008

 (L.S.)JEONG, Jeong-Han

Date 12/17/2008

 (L.S.)

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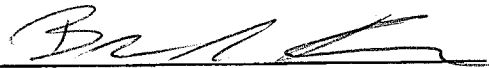
SHIM, Young-Serk

Date 12/17/2008

Y. S. Shim (L.S.)

* The above assignment covers application Serial No. 12/338,263 filed
on 12-18, year of 2008.

The above insertion made by me this 12th day of February, year of
2009.


The Belles Group, P.C.
Name: Brian L. Belles
Registration No 51,322