

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Alexander MIN</td> <td>11/09/2010</td> </tr> <tr> <td>Kyu-Han KIM</td> <td>11/09/2010</td> </tr> <tr> <td>Jatinder Pal SINGH</td> <td>11/09/2010</td> </tr> </tbody> </table>		Name	Execution Date	Alexander MIN	11/09/2010	Kyu-Han KIM	11/09/2010	Jatinder Pal SINGH	11/09/2010		
Name	Execution Date										
Alexander MIN	11/09/2010										
Kyu-Han KIM	11/09/2010										
Jatinder Pal SINGH	11/09/2010										
<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Deutsche Telekom AG</td> </tr> <tr> <td>Street Address:</td> <td>Friedrich-Ebert-Allee 140</td> </tr> <tr> <td>City:</td> <td>Bonn</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>53113</td> </tr> </table>		Name:	Deutsche Telekom AG	Street Address:	Friedrich-Ebert-Allee 140	City:	Bonn	State/Country:	GERMANY	Postal Code:	53113
Name:	Deutsche Telekom AG										
Street Address:	Friedrich-Ebert-Allee 140										
City:	Bonn										
State/Country:	GERMANY										
Postal Code:	53113										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12894663</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12894663						
Property Type	Number										
Application Number:	12894663										
<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (312)616-5700  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3126165600</p> <p>Email: assignments@leydig.com</p> <p>Correspondent Name: LEYDIG, VOIT &amp; MAYER, LTD.</p> <p>Address Line 1: 180 North Stetson Avenue</p> <p>Address Line 2: Two Prudential Plaza, Suite 4900</p> <p>Address Line 4: Chicago, ILLINOIS 60601-6731</p>											
ATTORNEY DOCKET NUMBER:	812288										
NAME OF SUBMITTER:	Erik R. Swanson										

Total Attachments: 2

source=Executed\_Assignment#page1.tif

**501379007**

**PATENT**  
**REEL: 025501 FRAME: 0598**

CH \$40.00 12894663



ASSIGNMENT

I, Alexander Min, a citizen of United States of America, residing at 1029 Barton Dr. APT 107; Ann Arbor; Michigan 48105; UNITED STATES OF AMERICA; and

I, Kyu-Han Kim, a citizen of Korea, residing at 8 Avocet Dr. #8-208; Redwood City, California 94065; UNITED STATES OF AMERICA; and

I, Jatinder Pal Singh, a citizen of India, residing at 1050 Crestview Drive #46; Mountain View, California 94040; UNITED STATES OF AMERICA;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

Deutsche Telekom AG

a Corporation organized under the laws of Germany, located at Friedrich-Ebert-Allee 140, 53113 Bonn, GERMANY (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, in and for the United States of America only in and to my Invention entitled:

OPPORTUNISTIC SPECTRUM ACCESS IN MOBILE COGNITIVE RADIO NETWORKS

invented by me and described in Patent Application No. 12/894,663, filed on September 30, 2010 in the United States of America; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said invention, including interference proceedings, is lawful and desirable, or that a release or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the invention, or for the release or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law.

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: 11/19/2010

DL 3396  
Alexander Min, Inventor

Dated: 11/19/2010

[Signature]  
Kyo-Hun Kim, Inventor

Dated: 11/19/2010

[Signature]  
Jatinder Pal Singh, Inventor