

**PATENT ASSIGNMENT**

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 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Hisham A. Mahmoud	05/12/2009
Huseyin Arslan	05/11/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	University of South Florida
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<b>State/Country:</b>	FLORIDA
<b>Postal Code:</b>	33612
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12422651
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NAME OF SUBMITTER:	Ronald E. Smith
<b>Total Attachments: 2</b> source=Executed Assignment (new) 5-12-2009#page1.tif source=Executed Assignment (new) 5-12-2009#page2.tif	

OP \$40.00 12422651

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**PATENT**  
**REEL: 022728 FRAME: 0190**

## ASSIGNMENT OF RIGHTS IN PATENT APPLICATION

### Assignors

Hisham A. Mahmoud

Huseyin Arslan

### Post Office Address of Assignors

14410 Reuter Strasse Circle, Apt. 1  
Tampa, Florida 33613

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Tampa, Florida 33647

### Assignee

University of South Florida  
(a Florida Non-Profit Corporation)

### Principal Place of Business of Assignee

3802 Spectrum Blvd., Suite 100  
Tampa, FL 33612

WHEREAS, I, the above-identified Assignor, am an applicant in the following U.S. patent application:

<u>Serial Number</u>	<u>Title</u>	<u>Date of Filing</u>
12/422,651	Adaptive Symbol Transition Method for OFDM-Based Cognitive Radio Systems and Method of Use	April 13, 2009

Hereinafter referred to as the "patent application";

And, whereas I desire to assign a 100% undivided interest in said patent application to the above-identified Assignee, and wherein said Assignee is desirous of acquiring the entire right, title and interest in the same;

Now, this indenture witnesseth, that for value received, the receipt and sufficiency whereof is hereby acknowledged;

I hereby assign, sell and transfer a 100% undivided interest in the entirety of the bundle of rights, title, and interest in and to said patent application, unto said Assignee, together with all claims for damages and profits by reason of any past infringement of said letters patent and the right to sue therefore, and together with the right to file said patent application or any conversion, non-provisional, division, continuation, or continuation-in-part thereof including in the United States or in any foreign jurisdiction under the Paris Convention or the Patent Cooperation Treaty, such interests, claims, and rights, to be held and enjoyed by the Assignee for its own use and for its successors and assigns, to the full end of the term for which a patent issuing from said patent application may be granted, and any reissues, renewals, or extensions thereof as may be granted, as

fully and entirely as the same would have been held by Assignor had this Assignment and sale not been made;

And I further agree to execute all necessary and lawful future documents, including assignments in favor of Assignee, or its designees as Assignee or its Assignees may from time-to-time present to me in order to perfect title in said patent application;

And I further covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

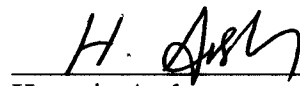
And I further covenant that Assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to said patent application as may be known and accessible to me and I will testify to the same in any interference or litigation related thereto and will promptly execute and deliver to Assignee or its legal representatives any and all papers, instruments, declarations, or affidavits required to apply for, obtain, maintain, and enforce said patent application or patent issuing therefrom which may be necessary or desirable to carry out the purposes hereof;

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Upon being duly cautioned, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that false statements and the like so made are punishable by fine, 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 patent application and any patent issuing therefrom.

  
Hisham A. Mahmoud

Date: 05/12/09

  
Huseyin Arslan

Date: 05/11/09