

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT								
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee's Address previously recorded on Reel 022880 Frame 0691. Assignor(s) hereby confirms the correct address of the Assignee is Bangalore, Karnataka, India 560012.								
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>Ananthanarayanan Chockalingam</td> <td>05/15/2009</td> </tr> <tr> <td>Balaji Sundar Rajan</td> <td>05/15/2009</td> </tr> <tr> <td>Saif Khan Mohammed</td> <td>05/15/2009</td> </tr> </tbody> </table>		Name	Execution Date	Ananthanarayanan Chockalingam	05/15/2009	Balaji Sundar Rajan	05/15/2009	Saif Khan Mohammed	05/15/2009
Name	Execution Date								
Ananthanarayanan Chockalingam	05/15/2009								
Balaji Sundar Rajan	05/15/2009								
Saif Khan Mohammed	05/15/2009								
RECEIVING PARTY DATA									
Name:	Indian Institute of Science								
Street Address:	Bangalore								
City:	Karnataka								
State/Country:	INDIA								
Postal Code:	560012								
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>12430635</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12430635				
Property Type	Number								
Application Number:	12430635								
CORRESPONDENCE DATA									
Fax Number:	(312)913-0002								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	312-913-0001								
Email:	herndon@mbhb.com								
Correspondent Name:	McDonnell Boehnen Hulbert & Berghoff LLP								
Address Line 1:	300 S. Wacker Drive								
Address Line 2:	Joseph A. Herndon								
Address Line 4:	Chicago, ILLINOIS 60606								
ATTORNEY DOCKET NUMBER:	09-102								
NAME OF SUBMITTER:	Joseph A. Herndon								

CH \$40.00 12430635

Total Attachments: 7

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PATENT ASSIGNMENT

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**06/26/2009
 500896542**

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ananthanarayanan Chockalingam	05/15/2009
Balaji Sundar Rajan	05/15/2009
Saif Khan Mohammed	05/15/2009
RECEIVING PARTY DATA	
Name:	Indian Institute of Science
Street Address:	Bangalore
City:	Karnataka
State/Country:	INDIA
Postal Code:	560012
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12430635
CORRESPONDENCE DATA	
Fax Number:	(312)913-0002
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	3129130001
Email:	hemdon@mbhb.com
Correspondent Name:	McDonnell Boehnen Hulbert & Berghoff LLP
Address Line 1:	300 S. Wacker Drive
Address Line 2:	Joseph A. Herndon
Address Line 4:	Chicago, ILLINOIS 60634
ATTORNEY DOCKET NUMBER:	09-102
NAME OF SUBMITTER:	Joseph A. Herndon
Total Attachments: 3 source=09_102_Assignment#page1.tif	

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QUITCLAIM ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, on this 15 day of May 2009, **Ananthanarayanan Chockalingam**, 29, AECS 2nd Stage Layout, 2nd Main, Nagashettihalli, Bangalore – 560094, India, **Balaji Sundar Rajan**, E-19 New Housing Colony, Indian Institute of Science, Bangalore -560012 and **Saif Khan Mohammed**, RB-508, B-Block Purva Riviera Apartments, Airport Varthur Road, Marathalli, Bangalore-560037, India (“Assignors”), hereby sell, assign, and transfer to India Institute of Science at Bangalore, Karnataka – 560012, India (“Assignee”), the full extent of their right, title, and interest in and without limitation to any and all of the following (collectively, the “Rights”):

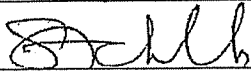
1. U.S. Patent Application No. 12/430.635 filed on April 27, 2009, entitled **Device and Method for Precoding Vectors in a Communication System** (“the Application”);
2. All inventions claimed or described in the Application (collectively, “the Inventions”);
3. All rights with respect to the Inventions, including all U.S. patents or other governmental grants or issuances that may be granted with respect to the Inventions or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application (“Potential Patents”);
4. All reissues, reexaminations, extensions, or registrations of the Potential Patents;
5. All non-United States patents, patent applications, and counterparts relating to any or all of the Inventions, the Application, or Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances (“Foreign Rights”), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
6. The right to claim priority rights deriving from the Application;
7. All causes of action and remedies related to any or all of the Application, the Inventions, and Potential Patents, or Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and
8. Any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Inventions, Potential Patents, or Foreign Rights.

Assignors will not sign any writing or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignors request the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

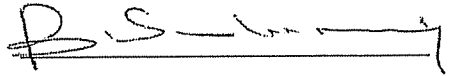
Assignors hereby authorize and request legal representative **McDonnell Boehnen Hulbert & Berghoff LLP, 300 South Wacker Drive, Chicago, IL 60606** to insert on this Assignment the filing date and Application Number of the Application when known.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignors, their successors, legal representatives and assigns.

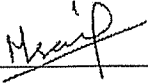
By: Ananthanarayanan Chockalingam



By: Balaji Sundar Rajan



By: Saif Khan Mohammed




ATTESTATION

The undersigned witnessed the signature of { Ananthanarayanan Chockalingam Balaji Sundar Rajan and { Saif Khan Mohammed to this document and makes the following statements:

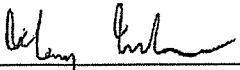
1. { Ananthanarayanan Chockalingam is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on May 15th, 2009, to execute this document.
2. { Balaji Sundar Rajan personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on May 15th, 2009, to execute this document.
3. Saif Khan Mohammed personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on May 15th, 2009, to execute this document.
4. { Ananthanarayanan Chockalingam { Balaji Sundar Rajan and { Saif Khan Mohammed subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

By: 

Print Name: S.A. SATHISHANKAR {witness name}

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

By: 

Print Name: MARY MATHEW {witness name}

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of Indian Institute of Science. 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 (check all that apply):

_____ I am an officer of the above-identified ASSIGNEE,

_____ I have signed this document on behalf of ASSIGNEE with the full authority of its board of directors,

and that all the foregoing is true and correct.

Dated: May 20, 2009

By: 

Name: **B. K. SUBBURAMAN**
REGISTRAR
Title: **INDIAN INSTITUTE OF SCIENCE**
BANGALORE - 560 012.
INDIA