

PATENT ASSIGNMENT

Electronic Version v1.1
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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 style="width: 30%;">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		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Indian Institute of Science</td> </tr> <tr> <td>Street Address:</td> <td>Bangalore</td> </tr> <tr> <td>City:</td> <td>Karnataka</td> </tr> <tr> <td>State/Country:</td> <td>INDIA</td> </tr> <tr> <td>Postal Code:</td> <td>560012</td> </tr> </table>		Name:	Indian Institute of Science	Street Address:	Bangalore	City:	Karnataka	State/Country:	INDIA	Postal Code:	560012
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (312)913-0002 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3129130001 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 60634</p>											
ATTORNEY DOCKET NUMBER:	09-102										
NAME OF SUBMITTER:	Joseph A. Herndon										
<p>Total Attachments: 3 source=09_102_Assignment#page1.tif</p>											

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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”):

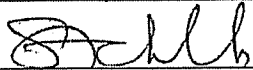
1. U.S. Patent Application No. 12/430,635 filed on April 27, 2009, entitled Device and Method for Precoding Vectors in a Communication System (“the Application”);
2. All inventions claimed or described in the Application (collectively, “the Inventions”);
3. All rights with respect to the Inventions, 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.

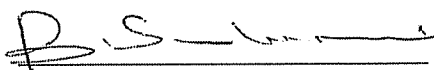
Assignors hereby authorize and request legal representative **McDonnell Boehnen Hulbert & Berghoff LLP, 300 South Wacker Drive, Chicago, IL 60606** to insert on this Assignment the filing date and Application Number of the Application when known.

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.

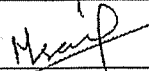
By: Ananthanarayanan Chockalingam



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:

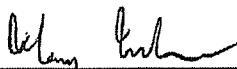
1. { Ananthanarayanan Chockalingam is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on May 15th, 2009, to execute this document.
2. { Balaji Sundar Rajan personally known to me (or proved to me on the basis of satisfactory evidence) and appeared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

D. K. SUBBURAMAN
REGISTRAR

Title:

INDIAN INSTITUTE OF SCIENCE
BANGALORE - 560 012.
INDIA