

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>Sheetal Kalyani</td> <td>06/06/2012</td> </tr> <tr> <td>Ganesh Venkatraman</td> <td>05/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sheetal Kalyani	06/06/2012	Ganesh Venkatraman	05/31/2012
Name	Execution Date						
Sheetal Kalyani	06/06/2012						
Ganesh Venkatraman	05/31/2012						
RECEIVING PARTY DATA							
Name:	Centre of Excellence in Wireless Technology						
Street Address:	#152, CSD Building ESB, IIT Madras Campus						
City:	Chennai						
State/Country:	INDIA						
Postal Code:	600036						
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>13519320</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13519320		
Property Type	Number						
Application Number:	13519320						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Mohammad S. Rahman						
Total Attachments: 2 source=BL.1121_Assignment1_05292012#page1.tif source=BL.1121_Assignment2_05292012#page1.tif							

OP \$40.00 13519320

PATENT ASSIGNMENT

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, consultation, affiliation, etc., and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

CENTRE OF EXCELLENCE IN WIRELESS TECHNOLOGY

#152, CSD Building ESB, IIT Madras Campus, Chennai 600 036 INDIA

a corporation of Chennai, India, and Centre of Excellence in Wireless Technology (hereinafter "the Assignee") desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

ESTIMATION OF CHANNEL IMPULSE RESPONSE IN A COMMUNICATION RECEIVER

as set forth in the United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by the attorney docket number referenced above;

executed concurrently herewith or U.S. Application Serial No. _____ filed on _____ for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

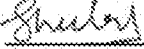
Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to the Assignee, its successors and assigns, in accordance herewith.

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith.

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the Assignee, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the Assignee all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by the Assignee, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the Assignee, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts in the United States and worldwide.

Each undersigned inventor hereby grants the Assignee and the practitioner(s) with authorized power of attorney to insert in this document any further identification which may be necessary or desirable for filing and/or recordation of this document.

This assignment is governed by the substantive laws of India.

-
- (1) Name of Inventor: Sheetal Kalyani
 Signature:  Date: 06/06/2012
- (2) Name of Inventor: Ganesh Venkatraman
 Signature: _____ Date: _____

PATENT ASSIGNMENT

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, consultation, affiliation, etc., and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

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(1) Name of Inventor: Sheetal Kalyani

Signature: _____ Date: _____

(2) Name of Inventor: Ganesh Venkatraman

Signature:  Date: 21.05.2012