

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Raghupathy Sivakumar	04/05/2011
Sandeep Kakumanu	04/05/2011
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	13014499
Application Number:	61298383
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ASSIGNMENT

WHEREAS, we, **Raghupathy Sivakumar** and **Sandeep Kakumanu** (collectively, "ASSIGNOR"), have invented certain improvements in SYSTEMS AND METHODS FOR ACHIEVING HIGH DATA-RATE WIRELESS COMMUNICATION for which a U.S. Provisional Patent Application was filed 26 January 2010, and provided Serial No. 61/298,383, and a U.S. Conventional Patent Application was filed 26 January 2011, and provided Serial No. 13/014,499, and whereas

GEORGIA TECH RESEARCH CORPORATION
505 TENTH STREET, N.W.
ATLANTA, GEORGIA 30332-0415
UNITED STATES

("Assignee") desires to purchase all the rights in same;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said Assignee, the receipt and sufficiency of which are hereby acknowledged, Assignor has and by these presents does hereby sell, assign, transfer and convey unto said Assignee all of Assignor's rights, title, and interest in and to said Applications, including in and to any provisional, conventional, design, division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States therefor; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Applications and Related US Applications, to Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignor, by these presents does sell, assign, and transfer to Assignee all of Assignor's rights, title and interest in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications, and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of Assignee or its designee, insofar as permitted by applicable law.

For the same consideration, Assignor agrees, without charge to Assignee, but at Assignee's expense, to sign all lawful papers, execute said Applications, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Applications, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid Assignee its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

AND, for the same consideration, Assignor also hereby sells, assigns and transfers unto Assignee all of Assignor's rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Application, Related US Applications, and Related Foreign Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

Assignment to GEORGIA TECH RESEARCH CORPORATION

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 5th day of APRIL, 2011.

[Signature] (SEAL)
Raghupathy Sivakumar

Witnessed by: [Signature]
Signature

Date: 04/05/2011

Srinivas Lakshminarayana
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: 04/05/2011

Chong-Ho Tsoo
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2011.

(SEAL)
Raghupathy Sivakumar

State of _____

County of _____

On this ____ day of _____, 2011, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC

(SEAL)

My Commission Expires:

Assignment to GEORGIA TECH RESEARCH CORPORATION

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 5th day of April, 2011.

K. Sandeep (SEAL)
Sandeep Kakumanu

Witnessed by: [Signature]
Signature

Date: 04/05/2011

Saravani Lakshmanan
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: 11/25/2011

Cheng-Lin Tsao
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2011.

Sandeep Kakumanu (SEAL)

State of _____

County of _____

On this ____ day of _____, 2011, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC

(SEAL)

My Commission Expires: