

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>Ajit P. Yoganathan</td> <td>08/14/2013</td> </tr> <tr> <td>Choon-Hwai Yap</td> <td>08/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ajit P. Yoganathan	08/14/2013	Choon-Hwai Yap	08/14/2013				
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Ajit P. Yoganathan	08/14/2013										
Choon-Hwai Yap	08/14/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Georgia Tech Research</td> </tr> <tr> <td>Street Address:</td> <td>505 Tenth Street NW</td> </tr> <tr> <td>City:</td> <td>Atlanta</td> </tr> <tr> <td>State/Country:</td> <td>GEORGIA</td> </tr> <tr> <td>Postal Code:</td> <td>30332-0415</td> </tr> </table>		Name:	Georgia Tech Research	Street Address:	505 Tenth Street NW	City:	Atlanta	State/Country:	GEORGIA	Postal Code:	30332-0415
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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>13990247</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13990247						
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Application Number:	13990247										
CORRESPONDENCE DATA											
Fax Number:	9143320615										
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NAME OF SUBMITTER:	W. Brinton Yorks, Jr.										
Signature:	/W. Brinton Yorks, Jr./										
Date:	08/22/2013										
Total Attachments: 2 source=2011P00445WOUS_Assignment#page1.tif source=2011P00445WOUS_Assignment#page2.tif											

CH \$40.00 13990247

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Georgia Tech Research Corporation, having a place of business at the Georgia Institute of Technology, 505 Tenth Street, NW, Atlanta, Georgia 30332-0415, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:

- is executed concurrently herewith
- was executed by me/us on
- was filed on, having a Serial No.
- was filed on. **2011-Dec-16**, having an International Application No. **PCT/IB2011/055744**,

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives.

I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/We certify that I/we have the full right to convey the above rights.

8/16/13

Date

(sign name here)

(print name here)


AJIT YOGANATHAN

Assignor

(sign name here)

(print name here)

Date

Choon-Hwai YAP

Assignor

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 Date (sign name here) _____, Assignor
 (print name here) Ajit P. YOGANATHAN

8/14/2013
 Date (sign name here) _____, Assignor
 (print name here) Choon-Hwai YAP