

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>Gopal K. BHAGERIA</td> <td>04/12/2011</td> </tr> <tr> <td>Don T. MAK</td> <td>04/12/2011</td> </tr> <tr> <td>Kevin M. MONAGLE</td> <td>04/14/2011</td> </tr> <tr> <td>Sri RAMANATHAN</td> <td>04/12/2011</td> </tr> <tr> <td>Jean-Gael F. REBOUL</td> <td>04/12/2011</td> </tr> <tr> <td>Matthew A. TERRY</td> <td>04/12/2011</td> </tr> <tr> <td>Matthew B. TREVATHAN</td> <td>04/16/2011</td> </tr> </tbody> </table>		Name	Execution Date	Gopal K. BHAGERIA	04/12/2011	Don T. MAK	04/12/2011	Kevin M. MONAGLE	04/14/2011	Sri RAMANATHAN	04/12/2011	Jean-Gael F. REBOUL	04/12/2011	Matthew A. TERRY	04/12/2011	Matthew B. TREVATHAN	04/16/2011
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Matthew B. TREVATHAN	04/16/2011																
RECEIVING PARTY DATA																	
Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION																
Street Address:	New Orchard Road																
City:	Armonk																
State/Country:	NEW YORK																
Postal Code:	10504																
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>13091496</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13091496												
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Application Number:	13091496																
CORRESPONDENCE DATA																	
Fax Number:	(703)848-2981																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Email:	Tporche@rmsclaw.com																
Correspondent Name:	Andrew M. Calderon																
Address Line 1:	7918 Jones Branch Drive																
Address Line 4:	McLean, VIRGINIA 22102																
ATTORNEY DOCKET NUMBER:	END920110016US1																
NAME OF SUBMITTER:	Andrew M. Calderon																

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Total Attachments: 8

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ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention:

REAL TIME SYSTEM AND METHOD FOR OPTIMIZING AND MANAGING A LOAD IN AN ELECTRICAL GRID

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Serial Number: 13/091,496 (insert series code and serial number here if/when available)

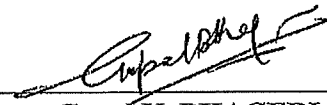
Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Page(s) Follows]

Executed by Inventor 1

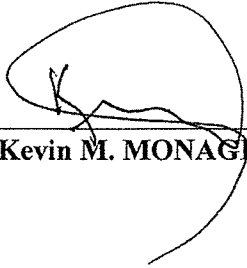
Signature:  Date: 4/12/2011
Gopal K. BHAGERIA

Executed by Inventor 2

Signature: Don T. Mak Date: 4/12/2011
Don T. MAK

Executed by Inventor 3

Signature: _____

A handwritten signature in black ink, appearing to be 'Kevin M. Monagle', written over a horizontal line. The signature is somewhat stylized and includes a large loop at the end.

Kevin M. MONAGLE

Date: _____

4/14/11

IBM DOCKET NUMBER: 200801000000000000

Executed by Inventor 4

Signature:  Date: 
Sri RAMANATHAN

3/4

Executed by Inventor 5

Signature:  Date: 4/12/2011
Jean-Gael F. REBOUL

IBM DOCKET NUMBER: 2009011001001

Executed by Inventor 6

Signature: Matthew A. Terry Date: 4/12/11
Matthew A. Terry

Executed by Inventor 7

Signature:  Date: 4/16/2011
Matthew B. TREVATHAN