PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5399880

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GOPAL KUMAR BHAGERIA	09/13/2013
KEVIN A. KLEIN	09/11/2013
JEAN-GAEL FABIEN REBOUL	09/09/2013

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

Property Type	Number
Application Number:	16289046

CORRESPONDENCE DATA

Fax Number: (703)848-2981

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: ANDREW M. CALDERON

Address Line 1: 7918 JONES BRANCH DRIVE, SUITE 500

Address Line 4: MCLEAN, VIRGINIA 22102

NAME OF SUBMITTER:	ANDREW M. CALDERON	
SIGNATURE:	/Andrew M. Calderon/	
DATE SIGNED:	03/01/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

source=END920130088US1_AssignmentDeclaration_09-18-13#page1.tif source=END920130088US1_AssignmentDeclaration_09-18-13#page2.tif source=END920130088US1_AssignmentDeclaration_09-18-13#page3.tif source=END920130088US1_AssignmentDeclaration_09-18-13#page4.tif

PATENT 505353095 REEL: 048474 FRAME: 0799

DECLARATION GT C.F.R. 1.63) FOR ETHLITY PATENT APPLICATION ESING AS APPLICATION DATA SHEET GT C.F.R. 1.70 AND ASSIGNMENT

Talle of Insention: MANAGING DEVICES WITHIN MICRO-GRIDS

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The above-identified application was made or authorized to be made by me.

Districts that Cam the original inventor or an original joint inventor of a chained invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in \$7.0 FR Section 1.56

Whereas, Thave made certain inventions, improvements on the consess therein referred to as the "Invention") disclosed in the above identified parent and the consession of the first Docker Number provided above in the header of this document.

Whereas, international Business (lactines)

histories at Actionic, New York (herein referred to appreciate appreciate and it desired to grant to the property of the and interest applications and patents directed thereby.

Now, therefore, for good and valuable consideration, the recent and sufficiency thereof being hereby action and the Control of ASSIGNOR interest sell or have sold assign or have assigned, and otherwise transfer or have transferred to IBM the "ASSIGNUE"), its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the lovention, the shove-identified United States parent 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, ressues, recommunions, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filling of such applications and granting of such patents. In addition, Thereby authorize and request the Director of the United States Patent and Indemark 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, inventor evertawade right, trite, and interest in and to the same to be held and emoyed by IBM, he successors, leave permittable to and assign to the full end of the forms for which my and all such patents may be granted. as fully and entirely as would have been beld and entryed by the bald this Assignment not been made, and Lauree to execute any and all stockments 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, it HIM the encourage legal representatives, and assume whenever requested by HM, its successors, legal representatives, or assists.

> PATENT REEL: 048474 FRAME: 0800

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Decelop acknowledge that any willful false statement made in this declaration is proposable under 18 LCC 1001 by fine or impresonment of not more than five (5) years or both

(1) Legal Name of Treestor: Gopal Kumar Bhageria	
Signature:	Date 9/13/24/3
(2) Legal Name of Inventor Kevin A. Klein	
Signature	Date
(3) Legal Name of Inventor, Jean-Gael Fabien Reboul	
Statute	<u> Jae</u>

PATENT REEL: 048474 FRAME: 0801

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: MANAGING DEVICES WITHIN MICRO-GRIDS

As a below named and undersigned inventor, I hereby declare that:
This declaration is directed to the attached application, or (if following box is checked):
United States application or PCT international application number
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
I have reviewed and understand the contents of the application, including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, I have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

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 I desire to grant to IBM, my 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, I ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, my 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, I hereby authorize and request 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, my 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 me had this Assignment not been made; and I agree 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.

IBM DOCKET NUMBER: END920130088US1

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to IBM and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application 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.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: Gopal Kumar Bhageria	
Signature:	Date:
(2) Legal Name of Inventor: Kevin A. Klein	
Signature: Reun' Rleu.	Date: 9/11/13
(3) Legal Name of Inventor: Jean-Gael Fabien Reboul	
Signature:	Date: 9/9/20 13