

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT	
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	JOSEPH W. FORBES JR.	11/06/2012
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15358876
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DATE SIGNED:	12/22/2016	
Total Attachments: 2		
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ASSIGNMENT OF RIGHTS: PATENT APPLICATIONS

Joseph W. Forbes, Jr. ("Assignor"), whose mailing address is 1820 Oatlands Court., Wake Forest, NC 27587, is owner of:

"METHOD AND APPARATUS FOR ACTIVELY MANAGING ELECTRIC POWER OVER AN ELECTRIC POWER GRID," as described in the U.S. Patent Application No. 13/528,596, filed on 6/20/2012;

"Method and Apparatus for Actively Managing Electric Power Supply for an Electric Power Grid," as described in the U.S. Patent Application No. 13/549,429, filed on 7/14/2012;

"SYSTEM, METHOD, AND APPARATUS FOR ELECTRIC POWER GRID AND NETWORK MANAGEMENT OF GRID ELEMENTS," as described in the U.S. Patent Application No. 13/563,535, filed on 7/31/2012;

"SYSTEM, METHOD, AND APPARATUS FOR SETTLEMENT FOR PARTICIPATION IN AN ELECTRIC POWER GRID," as described in the U.S. Patent Application No. 13/659564, filed on 10/24/2012

(the "Patent Applications"). Causam Holdings LLC, a North Carolina Limited Liability Corporation, ("Assignee"), whose mailing address is 14460 New Falls of the Neuse Rd., Suite 149-302, Raleigh, NC 27614, desires to acquire all rights in and to the Patent Applications and the patents (and any reissues or extensions) that may be granted.

Therefore, for valuable consideration, the receipt of which is acknowledged, Assignor assigns to Assignee 100% of his right, title, and interest in the invention and Patent Applications (as well as such rights in any divisions, continuations in whole or part or substitute applications) to Assignee for the entire term of the issued Patents and any reissues or extensions that may be granted and for the entire terms of any and all foreign patents that may issue from foreign applications (as well as divisions, continuations in whole or part or substitute applications) filed claiming the benefit of the Patent Applications.

Assignor authorizes the United States Patent and Trademark Office to issue any Patents resulting from the Patent Applications to Assignee according to the percentage interest indicated in this assignment. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made.

Assignor further agrees to: (a) cooperate with Assignee in the prosecution of the Applications and foreign counterparts; (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer; and (c) perform such other acts as Assignee lawfully may request to obtain or maintain the Patents for the inventions in any and all countries.

Date: 11/06/2012


Assignor

Title

On this 6th day of November, before me, [Signature], the undersigned Notary Public, personally appeared [Signature] ASSIGNOR, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same. WITNESS my hand and official seal in Wake County of North Carolina, on the date set forth in this certificate.


Notary Public

