

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Naveen Ramakrishnan	12/20/2011
Diego Benitez	12/20/2011
RECEIVING PARTY DATA	
Name:	Robert Bosch GmbH
Street Address:	Postfach 30 02 20
City:	Stuttgart
State/Country:	GERMANY
Postal Code:	D-70442
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13331822
CORRESPONDENCE DATA	
Fax Number:	(317)638-2139
Phone:	317-638-2922
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Maginot, Moore & Beck LLP
Address Line 1:	Chase Tower
Address Line 2:	111 Monument Circle, Suite 3250
Address Line 4:	Indianapolis, INDIANA 46204-5109
ATTORNEY DOCKET NUMBER:	1576-0856
NAME OF SUBMITTER:	Charles M. Fox
Total Attachments: 4 source=1576-0856_Assignment_Signed_filled#page1.tif source=1576-0856_Assignment_Signed_filled#page2.tif source=1576-0856_Assignment_Signed_filled#page3.tif source=1576-0856_Assignment_Signed_filled#page4.tif	

CH \$40.00 13331822

ASSIGNMENT

Pursuant to our obligation to Robert Bosch GmbH (hereinafter referred to as "Assignee"), a German corporation having a mailing address at:

Postfach 30 02 20
D-70442 Stuttgart
GERMANY

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,
we:

Naveen Ramakrishnan
7000 Christopher Wren Drive
Apt. 214
Wexford, PA 15090

Diego Benitez
405 Bear Run Drive
Pittsburgh, PA 15237

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, except as set forth below, our entire right, title and interest -

(1) in and to an invention entitled "Method for Unsupervised Non-Intrusive Load Monitoring" for which we have executed a United States patent application on even date herewith, said United States application being assigned U.S. Serial No. 13/331,822 filed on Dec. 20, 2011 (I hereby authorize Assignee to insert the serial number and filing date in the preceding blanks);

(2) in and to said United States patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), reissue applications, and international patent applications designating the United States) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted; and

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including patent applications filed under the Patent Cooperation Treaty, the European Patent Convention or any other international treaty, and including the right to claim priority of said United States application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

Date: 12-20-2011

R. N. Ramakrishnan
Naveen Ramakrishnan

State of)

County of)

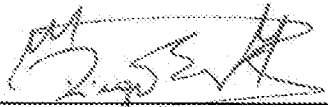
I hereby certify that Naveen Ramakrishnan before me personally appeared and acknowledged that the foregoing Assignment was duly signed, sealed and delivered by him as his free and voluntary act on this _____ day of _____, 2011.

(Notarial Seal)

Notary Public - My Commission

Expires: _____

Date: 12/20/2011



Diego Benitez

State of _____)

County of _____)

I hereby certify that Diego Benitez before me personally appeared and acknowledged that the foregoing Assignment was duly signed, sealed and delivered by him as his free and voluntary act on this _____ day of _____, 2011.

(Notarial Seal)

Notary Public - My Commission

Expires: _____