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06/08/2013

Form PTO-1595 (Rev. 03-09)
OMB No. 0651-0027 (exp. 03/31/2009)U.S. DEPARTMENT OF COMMERCE
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Kumaran Vijayasankar
Ramanuja Vedantham
Tarkesh PandeAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 6/4/2013; 6/5/2013; 6/4/2013

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Texas Instruments Inc.

Internal Address: _____

Street Address: 7839 Churchill Way, M/S 3999City: DallasState: TexasCountry: US Zip: 75265Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

13/910,125

(TI-72479)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

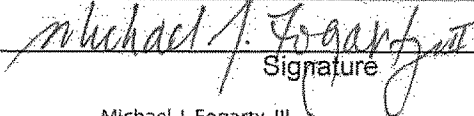
Name: Steven ShawInternal Address: Texas InstrumentsStreet Address: P.O. Box 655474, MS 3999City: DallasState: Texas Zip: 75265Phone Number: 214-479-1247Fax Number: 214-479-1273Email Address: uspto@ti.com6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 20-0668Authorized User Name Michael J. Fogarty, III

9. Signature:


 Signature

Michael J. Fogarty, III

Name of Person Signing

6/8/2013
 Date

Total number of pages including cover sheet, attachments, and documents:

3Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

700506269

PATENT
REEL: 030620 FRAME: 0962

CH \$40.00 200668 13910125

Application No. 13/910,125

Attorney Docket No. TI-72479

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made.

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, M/S 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon, as well as to U.S. Provisional Application No. 61/655,558, filed June 5, 2012;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign unto the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application(s) and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Patent and Trademark Office to issue all patents for said invention, or patents resulting therefrom, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

I authorize the later insertion of the nonprovisional application number and filing date hereinbelow.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE	Long Preamble and Duty Cycle Based Coexistence Mechanism for Power Line Communication (PLC) Networks		
NONPROVISIONAL APPLICATION NO.	13/910,125	FILING DATE	June 5, 2013

SIGNATURE OF INVENTOR	<i>V. Kumaran</i>
PRINTED NAME OF INVENTOR	Kumaran Vijayasankar
DATE	06/07/2013
RESIDENCE (CITY AND STATE)	Dallas, TX

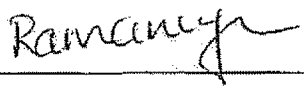
Assignment From Inventor (US 9/1/09)


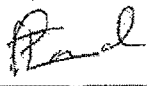
PATENT

REEL: 030620 FRAME: 0963

Application No. 13/910,125

Attorney Docket No. TI-72479

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Ramanuja Vedantham
DATE	06/05/2013
RESIDENCE (CITY AND STATE)	Allen, TX

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Tarkesh Pande 
DATE	06/04/2013
RESIDENCE (CITY AND STATE)	Dallas, TX

After recording, return Assignment to:

Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, TX 75265

Assignment From Inventor (US 9/1/09)