PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date | |
|---------------------|----------------|--|
| Leonardo W. Estevez | 08/19/2013 | |
| Paul Kimelman | 08/19/2013 | |
| Avraham Baum | 09/15/2013 | |

RECEIVING PARTY DATA

| Name: | TEXAS INSTRUMENTS INCORPORATED |
|-----------------|--------------------------------|
| Street Address: | 12500 TI Boulevard, M/S 3999 |
| City: | Dallas |
| State/Country: | TEXAS |
| Postal Code: | 75243 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14034439 |

CORRESPONDENCE DATA

Fax Number: 2144791273

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 214-479-1156 Email: uspto@ti.com

Correspondent Name: TEXAS INSTRUMENTS INCORPORATED

Address Line 1: P O BOX 655474, M/S 3999 Address Line 4: DALLAS, TEXAS 75265

| ATTORNEY DOCKET NUMBER: | TI-68952 |
|-------------------------|----------------------|
| NAME OF SUBMITTER: | Ronald O. Neerings |
| Signature: | /RONALD O. NEERINGS/ |
| Date: | 09/23/2013 |
| | PAIENI |

502505948 REEL: 031261 FRAME: 0828

Total Attachments: 7

source=TI-68952-RecordationCoverSheet-Assignments#page1.tif source=TI-68952-RecordationCoverSheet-Assignments#page2.tif source=TI-68952-RecordationCoverSheet-Assignments#page3.tif source=TI-68952-RecordationCoverSheet-Assignments#page4.tif source=TI-68952-RecordationCoverSheet-Assignments#page5.tif source=TI-68952-RecordationCoverSheet-Assignments#page6.tif source=TI-68952-RecordationCoverSheet-Assignments#page7.tif

PATENT REEL: 031261 FRAME: 0829

| | U.S. Department of Comme ORM COVER SHEET Patent and Trademark Off IS ONLY | | | |
|--|---|-----------|--|--|
| To the Honorable Commissioner of Patents and Trademarks. | Please record the attached original documents or copy thereof. | | | |
| Name of conveying party(ies): | Name and Address of receiving party(ies): | ********* | | |
| Leonardo W. Estevez (08/19/2013) | Name: Texas Instruments Incorporated | | | |
| Paul Kimelman (08/19/2013) Avraham Baum (09/15/2013) | Address: 12500 TI Boulevard, M/S 3999 | | | |
| | City: Dallas | | | |
| | State Texas Zip: 75243 | | | |
| | | | | |
| Additional name(s) & address(es) Attached? Yes X No | Additional name(s) & address(es) Attached? Yes No | | | |
| 3. Nature of Conveyance: | | | | |
| X Assignment | Merger | | | |
| Security Agreement | Change of Name | | | |
| Other | | | | |
| Execution Date: August 19, 2013, and September 1 | 5, 2013 | | | |
| 4. Application number(s) or patent number(s). | ation, the execution date of the application is: August 19, 2013. | | | |
| A. Patent Application No.(s) | B. Patent No.(s) | | | |
| 7. Freeze Application (Orle) | William Committee Committee | | | |
| | | | | |
| Additional numbers attached?YesXNo | Additional numbers attached? Yes No | | | |
| Name and address of party to whom the correspondence concerning document should be mailed: | 6. Number of applications and patents involved: 1 | | | |
| Name: Ronald O. Neerings | | | | |
| Address: Texas Instruments Incorporated | | | | |
| P. O. Box 655474, M.S. 3999 City: Dallas | | | | |
| State: <i>Texas</i> | | | | |
| Zip: 75265 | | | | |
| | 7. Amount of fee enclosed or authorized to be charged: \$40.0 | | | |
| | 8. Texas Instruments Incorporated, Account Number: 20-06 | <u>68</u> | | |
| DO NOT USE THIS SPACE | | | | |
| A 25.1 | | | | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of | | | | |
| the original Document. | | | | |
| Carolin Marin | | ar serie | | |
| Ronald O. Neerings | Registration Number Date | | | |
| Total oumber of n | ages including cover sheet, attachments and document: _Z_ | | | |

PATENT REEL: 031261 FRAME: 0830

| Application No.: | | Attorr | ey Docket No. <u>TI-68952</u> |
|---|--|--|---|
| | ASSIGNI | NENT | |
| WHEREAS, I, the unders new and useful improvements as b | igned inventor (or one of the undersig elow entitled, for which application for | gned joint inventors), of residen r United States Letters Patent is | ce as listed, having invented certain made. |
| Delaware, with a place of business of acquiring my entire right, title an | TRUMENTS INCORPORATED, a co at Texas Instruments Incorporated, d interest in and to the said invention nal Application No(s). | 12500 TI Boulevard, M/S 399 , and to the said application an | 9, Dallas, Texas 75243, is desirous d any Letters Patent that may issue |
| 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 | POWER EFFICIENT METHOD | FOR WI-FI HOME AUTO | NOITAMO |
| NONPROVISIONAL APPLICATION NO. | | FILING DATE | |

| | <u> </u> |
|--------------------------------|---------------------|
| NONPROVISIONAL APPLICATION NO. | FILING DATE |
| SIGNATURE OF INVENTOR | |
| PRINTED NAME OF INVENTOR | Leonardo W. Estevez |
| DATE | 8//9/2013 |
| RESIDENCE (CITY AND STATE) | Rowlett, TX |
| | |

Page 1 of 2

PATENT

REEL: 031261 FRAME: 0831

| Application No.: | | Attorney Docket No. TI-68952 |
|-------------------------------|---------------|------------------------------|
| SIGNATURE OF INVENTOR | | |
| PRINTED NAME OF INVENTOR | Paul Kimelman | |
| DATE | | |
| RESIDENCE (CITY AND STATE) | Alamo, CA | |
| SIGNATURE OF INVENTOR | | |
| PRINTED NAME OF INVENTOR | Avraham Baum | |
| | | |

After recording, return Assignment to:

DATE

RESIDENCE

(CITY AND STATE)

Texas Instruments Incorporated 12500 TI Boulevard, M/S 3999 Dallas, TX 75243 U.S.A.

Givat-Shmuel, Israel

| Application No.: | | Attori | ney Docket No. <u>TI-68952</u> |
|---|--|--|---|
| | ASSIGNM | MENT | |
| | ersigned inventor (or one of the undersigs below entitled, for which application for | | |
| Delaware, with a place of busine of acquiring my entire right, title | STRUMENTS INCORPORATED, a coess at Texas Instruments Incorporated, and interest in and to the said invention, sional Application No(s). | 12500 TI Boulevard, M/S 399 and to the said application as | 99, Dallas, Texas 75243, is desirous and any Letters Patent that may issue |
| unto the said TEXAS INSTRUM invention and in and to the sak continuations, and extensions the | or good and valuable consideration, the ENTS INCORPORATED, its successor d application(s) and all patents which mereof; and I hereby authorize and requirerefrom, to the said TEXAS INSTRUM | s and assigns, my entire right hay be granted therefor, and lest the Patent and Trademar | t, title and interest in and to the said all divisions, reissues, substitutions, k Office to issue all patents for said |
| to the invention disclosed in sale obtain patents under the terms | assign to TEXAS INSTRUMENTS INCO id application in all other countries of the of the Paris Convention for the Protection, affidavits, and any other papers in control of the papers in the pa | ne world, including the right to on of Industrial Property, and | claim priority, file applications and further agree to execute any and all |
| and legal representatives, any fa legal proceedings, sign all lawful generally do everything possible | that I will communicate to said TEXAS acts known to me respecting said inven papers, execute all divisional, continuate to aid said TEXAS INSTRUMENTS Inction for said invention in all countries. | tion, and at the expense of sa ion, reissue and substitute ap | aid assignee company, testify in any plications, make all lawful oaths, and |
| I authorize the later inse | ertion of the nonprovisional application na | umber and filing date hereinbe | elow. |
| IN WITNESS WHERE | DF, I hereunto set hand and seal this day | and year; | |
| TITLE | POWER EFFICIENT METHOD | FOR WI-FI HOME AUT | OMATION |
| NONPROVISIONAL APPLICATION NO. | | FILING DATE | |
| | | | |
| SIGNATURE OF INVENTOR | | | |
| PRINTED NAME OF INVENTOR | Leonardo W. Estevez | | |

RESIDENCE (CITY AND STATE)

DATE

PATENT REEL: 031261 FRAME: 0833

| SIGNATURE OF INVENTOR | Vale | |
|-------------------------------|----------------------|--|
| PRINTED NAME OF INVENTOR | Paul Kimelman | |
| DATE | 8/19/13 | |
| RESIDENCE (CITY AND STATE) | Alamo, CA | |
| SIGNATURE OF INVENTOR | | |
| PRINTED NAME OF INVENTOR | Avraham Baum | |
| DATE | | |
| RESIDENCE (CITY AND STATE) | Givat-Shmuel, Israel | |

After recording, return Assignment to:

Texas Instruments Incorporated 12500 TI Boulevard, M/S 3999 Dallas, TX 75243 U.S.A.

| Application No.: | | Attornov Dooket No | TLESOES |
|------------------|--|--------------------|------------|
| TOPRICATION 140 | ************************************** | Attorney Docket No | . 11-68952 |

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.

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 paths, 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

Lauthorize 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 | POWER EFFICIENT METHOD FOR WI-FI HOME AUTOMATION | |
|----------------------------------|--|--|
| NONPROVISIONAL APPLICATION NO | FILING DATE | |
| SIGNATURE OF INVENTOR | | |
| PRINTED NAME OF INVENTOR | Leonardo W. Estevez | |
| DATE | | |
| RESIDENCE (CITY AND STATE) | Rowlett, TX | |

Page 1 of 2

| Application No.: | |
|------------------|--|
| • • • | |

Attorney Docket No. TI-68952

| SIGNATURE OF INVENTOR | |
|-------------------------------|----------------------|
| PRINTED NAME OF INVENTOR | Paul Kimelman |
| DATE | |
| RESIDENCE (CITY AND STATE) | Alamo, CA |
| SIGNATURE OF INVENTOR | · & 3 |
| PRINTED NAME OF INVENTOR | Avraham Baum |
| DATE | Sep 15, 2013 |
| RESIDENCE (CITY AND STATE) | Givat-Shmuel, Israel |

After recording, return Assignment to.

Texas Instruments Incorporated 12500 TI Boulevard, M/S 3999 Dallas, TX 75243 U S.A.

Page 2 of 2