PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3745638

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| SRINIVAS LINGAM | 12/18/2015 |
| SEOK-JUN LEE | 01/13/2016 |
| MANISH GOEL | 01/21/2016 |

RECEIVING PARTY DATA

| Name: | TEXAS INSTRUMENTS INCORPORATED |
|-----------------|--------------------------------|
| Street Address: | 12500 TI BOULEVARD, MS 3999 |
| City: | DALLAS |
| State/Country: | TEXAS |
| Postal Code: | 75243 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14986349 |

CORRESPONDENCE DATA

Fax Number: (303)297-2266

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.

Phone: (214) 479-1247

Email: angela.deoliveira@klaaslaw.com

TEXAS INSTRUMENTS INCORPORATED **Correspondent Name:**

Address Line 1: P.O. BOX 655474

Address Line 2: MS 3999

Address Line 4: DALLAS, TEXAS 75265

| ATTORNEY DOCKET NUMBER: | TI-75354 |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | ANGELA DEOLIVEIRA |
| SIGNATURE: | /Angela DeOliveira/ |
| DATE SIGNED: | 02/18/2016 |

Total Attachments: 6

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source=75354_SignedAssignment#page6.tif

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 12500 TI Boulevard, MS 3999, Dallas, Texas 76243, 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.

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 self 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 filling date hereinbelow.

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

| TITLE | METHODS AND INSTRUCTIONS FOR 32-BIT ARITHMETIC SUPPORT USING 16-BIT MULTIPLY AND 32-BIT ADDITION | | |
|-----------------------------------|--|-------------|-------------------|
| NONPROVISIONAL APPLICATION NO. | 14/986,349 | FILING DATE | December 31, 2015 |

| SIGNATURE OF INVENTOR | x L-him |
|-------------------------------|-----------------|
| PRINTED NAME OF INVENTOR | Srinivas Lingam |
| DATE | x 12/18/2015 |
| RESIDENCE (CITY AND STATE) | Dallas, Texas |

| SIGNATURE OF INVENTOR | × |
|-------------------------------|--------------|
| PRINTED NAME OF INVENTOR | Seok-Jun Lee |
| DATE | × |
| RESIDENCE (CITY AND STATE) | Allen, Texas |
| SIGNATURE OF INVENTOR | X |
| PRINTED NAME OF INVENTOR | Manish Goel |
| DATE | × |
| RESIDENCE (CITY AND STATE) | Plano, Texas |
| SIGNATURE OF INVENTOR | |
| PRINTED NAME OF INVENTOR | |
| DATE | |
| RESIDENCE (CITY AND STATE) | |

After recording, return Assignment to:

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

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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 Parls 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.

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| SIGNATURE OF INVENTOR | | | |
| PRINTED NAME OF INVENTOR | Srinivas Lingam | | |
| DATE | | | |
| RESIDENCE (CITY AND STATE) | Dallas, Texas | | |

| SIGNATURE OF INVENTOR | x 0/1/3 |
|-------------------------------|-----------------|
| PRINTED NAME OF INVENTOR | Seok-Jun Lee |
| DATE | x Jan. 13. 2016 |
| RESIDENCE (CITY AND STATE) | Allen, Texas |
| SIGNATURE OF INVENTOR | × |
| PRINTED NAME OF INVENTOR | Manish Goei |
| DATE | × |
| RESIDENCE (CITY AND STATE) | Plano, Texas |
| SIGNATURE OF INVENTOR | |
| PRINTED NAME OF INVENTOR | |
| DATE | |
| RESIDENCE (CITY AND STATE) | |

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| PRINTED NAME OF INVENTOR | Srinivas Lingam | | |
| DATE | | | |
| RESIDENCE (CITY AND STATE) | Dallas, Texas | | |

| THE STATE OF THE S | NAME OF THE PARTY |
|--|---|
| SIGNATURE OF INVENTOR | × |
| PRINTED NAME OF INVENTOR | Seak-Jun Lee |
| DATE | X |
| RESIDENCE (CITY AND STATE) | Allen, Texas |
| SIGNATURE OF INVENTOR | × Market |
| PRINTED NAME OF INVENTOR | Manish Goel |
| DATE | × 01.212016 |
| RESIDENCE (CITY AND STATE) | Plano, Texas |
| SIGNATURE OF INVENTOR | |
| PRINTED NAME OF INVENTOR | |
| DATE | |
| RESIDENCE (CITY AND STATE) | |

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> PATENT REEL: 037769 FRAME: 0362

RECORDED: 02/18/2016