PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| Uday Pudipeddi Kiran | 01/05/2012 |
| Deepak Kumar Poddar | 01/05/2012 |
| Pramod Kumar Swami | 01/05/2012 |
| Arun Shankar Kudana | 01/05/2012 |

RECEIVING PARTY DATA

| Name: | Texas Instruments Incorporated |
|-------------------|--------------------------------|
| Street Address: | 12500 TI Boulevard |
| Internal Address: | MS 3999 |
| City: | Dallas |
| State/Country: | TEXAS |
| Postal Code: | 75243 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13349268 |

CORRESPONDENCE DATA

Fax Number: (214)479-1273 2144791145 Phone: Email: debi.dupree@ti.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Correspondent Name: Texas Instruments Incorporated

Address Line 1: 12500 TI Boulevard

MS 3999 Address Line 2:

Address Line 4: Dallas, TEXAS 75243

| ATTORNEY DOCKET NUMBER: | TI-70153 |
|-------------------------|----------------|
| NAME OF SUBMITTER: | Deborah DuPree |

Total Attachments: 2

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REEL: 027610 FRAME: 0008 501801134

Attorney Docket No. TI-70153

ASSIGNMENT

| WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, have | doe incontra |
|--|----------------------|
| new and useful improvements as below entitled, for which application for United States Letters Patent is made. | nng invented certain |
| the state of the s | |

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 therefore, 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 herein below.

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

| TITLE | METHODS AND SYSTEMS FOR FACILITATING MULTIMEDIA DATA ENCODING |
|-----------------------------------|---|
| NONPROVISIONAL APPLICATION NO. | FILING DATE |

| SIGNATURE OF INVENTOR | Pudaglaron, |
|-------------------------------|----------------------|
| PRINTED NAME OF INVENTOR | Uday Pudipeddi Kiran |
| DATE | 5 January 2012 |
| RESIDENCE (CITY AND STATE) | Bangalore, Karnataka |

Assignment From Inventor (US 9/1/09)

PATENT REEL: 027610 FRAME: 0009

Application No. Not Assigned

Attorney Docket No. TI-70153

| SIGNATURE OF INVENTOR | Darger |
|-------------------------------|----------------------|
| PRINTED NAME OF INVENTOR | Deepak Kumar Poddar |
| DATE | 5 January 2012 |
| RESIDENCE (CITY AND STATE) | Bangalore, Karnataka |

| SIGNATURE OF INVENTOR | framed know Snow |
|-------------------------------|----------------------|
| PRINTED NAME OF INVENTOR | Pramod Kumar Swami |
| DATE | 5 January 2012 |
| RESIDENCE (CITY AND STATE) | Bangalore, Karnataka |

| SIGNATURE OF INVENTOR | August 1 |
|-------------------------------|----------------------|
| PRINTED NAME OF INVENTOR | Arun Shankar Kudana |
| DATE | 5 January 2012 |
| RESIDENCE (CITY AND STATE) | Bangalore, Karnataka |

After recording, return Assignment to:

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

Assignment From Inventor (US 9/1/09)

PATENT REEL: 027610 FRAME: 0010

RECORDED: 01/27/2012