

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

|   |                                |
|---|--------------------------------|
| SUBMISSION TYPE:  | NEW ASSIGNMENT                 |
| NATURE OF CONVEYANCE:   | ASSIGNMENT                     |
| <b>CONVEYING PARTY DATA</b>   |                                |
| Name  | Execution Date                 |
| Sandeep Rao   | 03/29/2011                     |
| Jaiganesh Balakrishnan  | 03/29/2011                     |
| Sthanunathan Ramakrishnan   | 03/29/2011                     |
| <b>RECEIVING PARTY DATA</b>   |                                |
| Name:   | Texas Instruments Incorporated |
| Street Address:   | P. O. Box 655474               |
| Internal Address:   | M/S 3999                       |
| City:   | Dallas                         |
| State/Country:  | TEXAS                          |
| Postal Code:  | 75265                          |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                |
| Property Type   | Number                         |
| Application Number:   | 13080337                       |
| <b>CORRESPONDENCE DATA</b>  |                                |
| Fax Number:   | (972)917-4417                  |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |                                |
| Phone:  | 972-917-4371                   |
| Email:  | e-austin@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-69317                       |
| NAME OF SUBMITTER:  | Rononald O. Neerings           |
| Total Attachments: 3<br>source=TI-69317-RecordationCover-Assignment#page1.tif<br>source=TI-69317-RecordationCover-Assignment#page2.tif<br>source=TI-69317-RecordationCover-Assignment#page3.tif |                                |

CH \$40.00 13080337

FORM PTO-1595

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

U.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Sandeep Rao (03/29/2011)  
Jaiganesh Balakrishnan (03/29/2011)  
Sthanunathan Ramakrishnan (03/29/2011)**

Additional name(s) & address(es)  
Attached? Yes  No

2. Name and Address of receiving party(ies):

Name: **Texas Instruments Incorporated**  
Address: **P. O. Box 655474, M.S. 3999**  
City: **Dallas**  
State **Texas** Zip: **75265**

Additional name(s) & address(es)  
Attached? Yes  No

3. Nature of Conveyance:

**Assignment**  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: **March 29, 2011**

4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is: **March 29, 2011**

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes  No

Additional numbers attached? Yes  No

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

Name: **Ronald O. Neerings**  
Address: **Texas Instruments Incorporated  
P. O. Box 655474, M.S. 3999**  
City: **Dallas**  
State: **Texas**  
Zip: **75265**

6. Number of applications and patents involved: **1**

7. Amount of fee enclosed or authorized to be charged: **\$40.00**

8. Texas Instruments Incorporated, Account Number : **20-0668**

**DO NOT USE THIS SPACE**

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.*

  
**Ronald O. Neerings**

**34,227**  
**Registration Number**

**04/05/2011**  
**Date**

Total number of pages including cover sheet, attachments and document: **3**

Application No. Not Assigned

Attorney Docket No. TI- 69317

**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(s) \_\_\_\_\_, filed \_\_\_\_\_;

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.

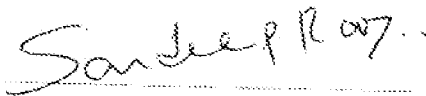
I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris 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 herein below.

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

|                               |   |             |  |
|-------------------------------|---|-------------|--|
| TITLE                         | METHOD AND APPARATUS TO IMPROVE SENSITIVITY OF DECODING TIME OF A GLOBAL NAVIGATION SATELLITE SYSTEM RECEIVER |             |  |
| NONPROVISIONAL APPLICATION NO |   | FILING DATE |  |

|                            |   |
|----------------------------|---|
| SIGNATURE OF INVENTOR      |  |
| PRINTED NAME OF INVENTOR   | Sandeep Rao   |
| DATE                       | 29 March 2011   |
| RESIDENCE (CITY AND STATE) | Bangalore, Karnataka  |

Assignment From Inventor (US 9/1/09)

**PATENT**  
**REEL: 026078 FRAME: 0223**

Application No. Not Assigned

Attorney Docket No. TI-69317

|                            |                           |
|----------------------------|---------------------------|
| SIGNATURE OF INVENTOR      | <i>P. Jaiganesh</i>       |
| PRINTED NAME OF INVENTOR   | Jaiganesh Balakrishnan    |
| DATE                       | 29 March 2011             |
| RESIDENCE (CITY AND STATE) | Bangalore, Karnataka      |
| SIGNATURE OF INVENTOR      | <i>R. Sthanunathan</i>    |
| PRINTED NAME OF INVENTOR   | Sthanunathan Ramakrishnan |
| DATE                       | 29 March 2011             |
| 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)

RECORDED: 04/05/2011

**PATENT**  
**REEL: 026078 FRAME: 0224**