

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TI-68463/1962-60800

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)Timothy M. Schmidl
Anuj Batra
Srinath Hosur**2. Name and address of receiving party(ies)**Name: TEXAS INSTRUMENTS INCORPORATED

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) August 31, 2010

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

Street Address: P. O. Box 655474City: 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)

12/873,114

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: TEXAS INSTRUMENTS INCORPORATED

Internal Address: _____

Street Address: P. O. Box 655474City: DallasState: Texas Zip: 75265Phone Number: (972) 917-5137Fax Number: (972) 917-4418Email Address: steven-shaw@ti.com**6. Total number of applications and patents involved:** One**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40

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

8. Payment InformationDeposit Account Number 20-0668Authorized User Name S. Shaw**9. Signature:** /Tim D. Chheda/

Signature

August 31, 2010

Date

Tim D. Chheda

Name of Person Signing

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

3

Attorney Docket No.
TI-68463

Serial No.

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, the said application having been executed on the date set forth below; and

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;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, 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 foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent 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.


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

TITLE OF INVENTION	FREQUENCY DIVERSITY AND PHASE ROTATION
SIGNATURE OF INVENTOR AND NAME	Anuj BATRA <i>Anuj Batra</i>
RESIDENCE (CITY AND STATE)	2510 Worthington Street, Dallas, TX 75204
DATE DECLARATION SIGNED	<i>August 31, 2010</i>

TITLE OF INVENTION	FREQUENCY DIVERSITY AND PHASE ROTATION
SIGNATURE OF INVENTOR AND NAME	<i>Timothy M. Schmidl</i> Timothy M. SCHMIDL
RESIDENCE (CITY AND STATE)	8610 Southwestern Blvd. Apt. 2105, Dallas, TX 75206
DATE DECLARATION SIGNED	<i>AUG. 31, 2010</i>

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TITLE OF INVENTION	FREQUENCY DIVERSITY AND PHASE ROTATION
SIGNATURE OF INVENTOR AND NAME	 Srinath HOSUR
RESIDENCE (CITY AND STATE)	8800 Canyonlands Drive, Plano, TX 75025
DATE DECLARATION SIGNED	August 31, 2010

After recording, return Assignment to:

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