

Form PTO-1595 (Rev. 07/05)
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TI-64021 (1962-48600)

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)

1. Deric W. Waters January 15, 2008
2. Anuj BATRA January 17, 2008
3. Srinath HOSUR January 15, 2008

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) See dates above to right of parties

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other Document ID No. 700357495

2. Name and address of receiving party(ies)

Name: Texas Instruments Incorporated

Internal Address: _____

Street Address: P. O. Box 655474, MS 3999

City: Dallas

State: Texas

Country: US Zip: 75265

Additional 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)

12/016,967

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Steve Shaw

Internal Address: Texas Instruments, Inc.

Street Address: P. O. Box 655474, MS 3999

City: Dallas

State: Texas Zip: 75265

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Fax Number: (972) 917-4418

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6. Total number of applications and patents involved: One

7. Total fee (37 CFR 1.21(h) & 3.41) \$40

- Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed Fee paid prior on Document ID No. 700357495
 None required (government interest not affecting title)

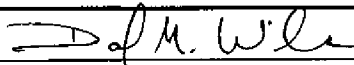
8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 20-0668

Authorized User Name Steve Shaw

9. Signature:



Signature

March 20, 2008

Date

David M. Wilson
Name of Person Signing

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

5

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PATENT
REEL: 020695 FRAME: 0881

Attorney Docket No. TI-64021 (1962-48600)

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

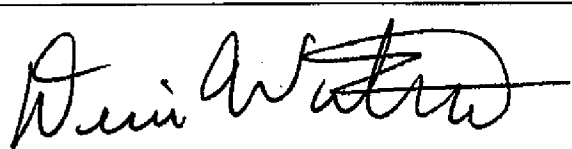
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, M/S 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said 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	SYSTEMS AND METHODS FOR LOW-COMPLEXITY MIMO DETECTION WITH ANALYTICAL LEAF-NODE PREDICTION
SIGNATURE OF INVENTOR AND NAME	Deric W. WATERS 
RESIDENCE (CITY AND STATE)	8905 Clearwater Dr., Dallas, TX 75243
DATE DECLARATION SIGNED	1/15/08


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TITLE OF INVENTION	SYSTEMS AND METHODS FOR LOW-COMPLEXITY MIMO DETECTION WITH ANALYTICAL LEAF-NODE PREDICTION
SIGNATURE OF INVENTOR AND NAME	Anuj BATRA <i>Anuj Batra</i>
RESIDENCE (CITY AND STATE)	2510 Worthington St., Dallas, TX 75204
DATE DECLARATION SIGNED	<i>01/15/2008</i>

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TITLE OF INVENTION	SYSTEMS AND METHODS FOR LOW-COMPLEXITY MIMO DETECTION WITH ANALYTICAL LEAF-NODE PREDICTION
SIGNATURE OF INVENTOR AND NAME	 Srinath HOSUR
RESIDENCE (CITY AND STATE)	8800 Canyonlands Dr., Plano, TX 75025
DATE DECLARATION SIGNED	17 Jan 2008

After recording, return Assignment to:

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