

12-12-2001

FORM PTO-1595  
(REV 6-93)

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SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

OMB No. 0651-011 (exp. 4/94)

101913663

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

## 1. Name of conveying party(ies):

David Patrick Magee  
Srinath Hosur

10.24.01

Additional name(s) of conveying

party(ies) attached? [ ] Yes [X] No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement ☐ Change of Name☐ Other \_\_\_\_\_

Execution Date: 10/23/2001

## 2. Name and address of receiving party(ies):

Name: Texas Instruments Incorporated

Internal Address: \_\_\_\_\_

Street Address: P.O. Box 655474, M/S 3999

City: Dallas

State/Country: Texas ZIP: 75265

Additional name(s) &amp; address(es) attached? [ ] Yes [X] No

## 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: 10/23/2001

A. Patent Application No.(s)

B. Patent No.(s)

09/999721

Additional Numbers attached? [ ] Yes [X] No

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

Name: J. Dennis Moore

Internal Address: \_\_\_\_\_

Texas Instruments Incorporated

Street Address: P.O. Box 655474, M/S 3999

City: Dallas

State: Texas ZIP: 75265

## 6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41) .....\$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit account number:

20-0668

(Attach duplicate copy of this page if paying by deposit account)

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## 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.

Christopher P. Harris

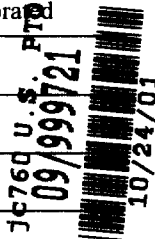
Name of Person Signing

Signature

October 24, 2001

Date

Reg. No. 43,660 Total number of pages including cover sheet attachments, and document: [ 3 ]

Mail documents to be recorded with required cover sheet information to:  
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**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

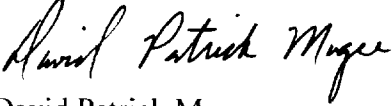
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, M/S 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

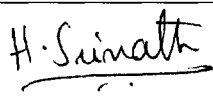
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents 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	<b>DECIMATED NOISE ESTIMATION AND/OR BEAMFORMING FOR WIRELESS COMMUNICATIONS</b>
SIGNATURE OF INVENTOR AND NAME	 David Patrick Magee
DATE	10/23/01
RESIDENCE (CITY AND STATE)	Plano, Texas
DATE APPLICATION EXECUTED	10/23/01

TITLE OF INVENTION	<b>DECIMATED NOISE ESTIMATION AND/OR BEAMFORMING FOR WIRELESS COMMUNICATIONS</b>
SIGNATURE OF INVENTOR AND NAME	 Srinath Hosur
DATE	23 Oct. 2001
RESIDENCE (CITY AND STATE)	Plano, Texas
DATE APPLICATION EXECUTED	23 Oct. 2001