

11-09-2005

11-265211  
Attorney Docket No. TI-3893811-2-05  
FORM PTO-1595

103116449

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):

Raymond E. BARNETT

Ganesh Kumar BALACHANDRAN

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

Name: Texas Instruments Incorporated

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

Street Address: 7839 Churchill Way

City: Dallas

State: Texas

Zip: 75265

Additional name(s) attached? \_\_\_ Yes \_\_\_X\_\_\_ No

Additional name(s) &amp; address(es) attached? \_\_\_ Yes \_\_\_X\_\_\_ No

113243 U.S. PTO  
11/265261

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## 3. Nature of Conveyance:

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

Execution Date: October 31, 2005

## 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 October 31, 2005

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? \_\_\_ Yes \_\_\_X\_\_\_ No

Additional numbers attached? \_\_\_ Yes \_\_\_X\_\_\_ No

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

Name: William B. Kempler

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

Street Address: 7839 Churchill Way

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. Deposit account number (Attach two copies of this form if paying by deposit account): 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.

Signature

Name of Person Signing: William B. Kemper, Reg. No. 28,228

Date: 11/2/05

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

11/08/2005 ECOOPER 00000278 200668 11265261

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40.00 DA

PATENT  
REEL: 017185 FRAME: 0920

**ASSIGNMENT**

WHEREAS, we, the undersigned inventor(s) (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 our entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

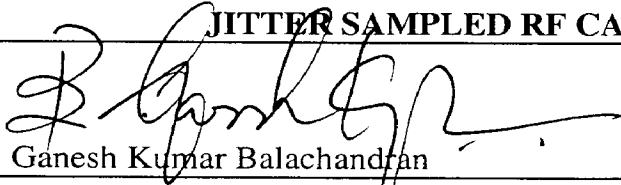
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, our entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, and extensions thereof; and we 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 our entire right, title and interest.

We also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, our 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.

We hereby further agree that we will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to our 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, we hereunto set hand and seal this day and year;

TITLE OF INVENTION	<b>RANDOM NUMBER GENERATOR USING JITTER SAMPLED RF CARRIER</b>
SIGNATURE OF INVENTOR AND NAME	 Raymond E. BARNETT
DATE	Oct. 31, 2005
RESIDENCE (CITY AND STATE)	Dallas, Texas
DATE APPLICATION EXECUTED	

TITLE OF INVENTION	<b>RANDOM NUMBER GENERATOR USING JITTER SAMPLED RF CARRIER</b>
SIGNATURE OF INVENTOR AND NAME	 Ganesh Kumar Balachandran
DATE	Oct. 31, 2005
RESIDENCE (CITY AND STATE)	Irving, Texas
DATE APPLICATION EXECUTED	

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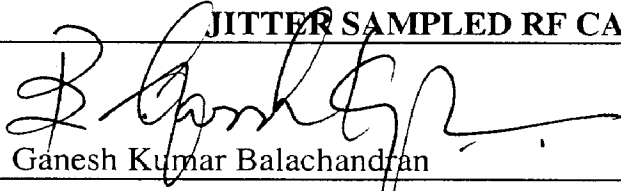
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, our entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, and extensions thereof; and we 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 our entire right, title and interest.

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