

FORM PTO-1595

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U.S. Department of Commerce  
Patent and Trademark Office

102338674

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

1. Name of conveying party(ies):

**Anand G. Dabak**  
**Anuj Batra**

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

1-2-03

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

J1033 U.S. PTO  
10/335610  
01/02/03

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date December 10, 2002

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 December 10, 2002.

A. Patent Application No.(s)

10335610

B. Patent No.(s)

N/A

N/A

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

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

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

Name: **Peter Hernandez**  
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. Deposit account number : **20-0668**

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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.

**Ira S. Matsil**

1/2/03

Signature

Name of Person Signing

Date

01/14/2003 LNUELLER 00000163 200668 10335610

01 FC:8021 40.00 CH

Total number of pages including cover sheet, attachments and document: 2

Attorney Docket No.  
TI-34888

**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

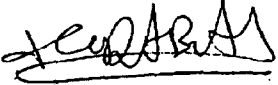
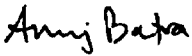
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with its principal office at 7839 Churchill Way, M.S. 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the 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	Multi-Carrier Transmitter for Ultra-Wideband (UWB) Systems		
SIGNATURE OF INVENTOR AND NAME	 (1) Anand G. Dabak	 (2) Anuj Batra	(3)
DATE	December 10 <sup>th</sup> , 2002	December 10, 2002	
RESIDENCE (CITY AND STATE)	Plano, TX	Dallas, TX	
DATE APPLICATION EXECUTED	December 10 <sup>th</sup> , 2002	December 10, 2002	

After recording, return Assignment to:

Peter Hernandez  
Texas Instruments Incorporated  
P.O. Box 655474, M/S 3999  
Dallas, TX 75265