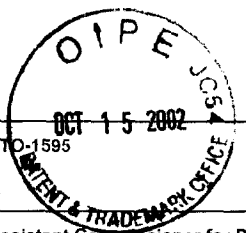


10/15/02



10-25-2002

FORM PTO-1595

TI-33948



U.S. Department of Commerce  
Patent and Trademark Office

To the Assistant Commissioner for Pat.

102260824

copy thereof.

1. Name of conveying party(ies):

Steven P. Korson 9/24/02  
Brian D. Borchers 9/24/02  
Bryan Sheffield 9/24/02  
Clive Bittlestone 9/24/02  
Doug Counce 9/24/02

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

Name: TEXAS INSTRUMENTS INCORPORATED  
Address: P.O. Box 655474, MS 3999  
City: Dallas  
State: TX Zip: 75265

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

3. Nature of Conveyance:

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

Execution Date in order of listed parties: 9/24/02; 9/24/02; 9/24/02; 9/24/02; 9/24/02

4. Application number(s) or patent number(s).

This document is being filed together with a new application.

Execution date of the application in order of listed parties: 9/24/02; 9/24/02; 9/24/02; 9/24/02; 9/24/02

Title: Oscillation Based Access Time Measurement  
Docket No: TI-33948

A. Patent Application No.(s)  
S.N. 10/236,328

B. Patent No.(s)  
X,XXX,XXX

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: Rose Alyssa Keagy  
Texas Instruments Incorporated  
Address: P.O. Box 655474, MS 3999  
City: Dallas  
State: TX Zip: 75265

6. Number of applications and patents involved: \_\_\_(1)\_\_\_

7. Amount of fee enclosed or authorized to be charged: \$40

8. Deposit Account No: 20-0668 (Attach duplicate copy if paying by deposit account)

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.

10/9/02  
Date

*Rose Alyssa Keagy*  
Rose Alyssa Keagy, Reg. No. 35,095

Total Number of Pages Including Cover Sheet, Attachments and Document: 4

( 10/24/2002 DBYRNE 00000186 200668 10236328 )  
01 FC:8021 40.00 CH

**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

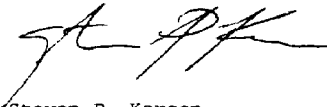
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said 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	Oscillation Based Access Time Measurement		
SIGNATURE OF INVENTOR AND NAME	 Steven P. Korson	Brian D. Borchers	Bryan Sheffield
DATE OF SIGNATURE	24. Sept. 2002		
RESIDENCE (City, State)	Bruckberg, Germany	Wylie, Texas	Rowlett, Texas
DATE APPLICATION EXECUTED			

After recording Assignment, please return to:  
 Rose Alyssa Keagy  
 Texas Instruments Incorporated  
 P.O. Box 655474, MS 3999  
 Dallas, TX 75265

**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, MS 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	Oscillation Based Access Time Measurement		
SIGNATURE OF INVENTOR AND NAME	Steven P. Korson	<i>B. D. Borchers</i> Brian D. Borchers	<i>Bryan Sheffield</i> Bryan Sheffield
DATE OF SIGNATURE		x 9/24/02	x 9/24/02
RESIDENCE (City, State)	Bruckberg, Germany	Wylie, Texas	Rowlett, Texas
DATE APPLICATION EXECUTED			

After recording Assignment, please return to:

Rose Alyssa Keagy  
Texas Instruments Incorporated  
P.O. Box 655474, MS 3999  
Dallas, TX 75265

**ASSIGNMENT**

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

TITLE OF INVENTION	Oscillation Based Access Time Measurement		
SIGNATURE OF INVENTOR AND NAME	x <i>Clive Bittlestone</i> Clive Bittlestone	x <i>Doug Counce</i> Doug Counce	N/A
DATE OF SIGNATURE	x 9-24-02	x 9-24-02	
RESIDENCE (City, County, State)	Lucas, Texas	McKinney, Texas	
DATE APPLICATION EXECUTED			