

3/27/02

04-10-2002



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FORM PTO-1595

RECORDATION FORM COVER SHEET

Docket Number: TI-33589 Patents Only

To the Ass't Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Jonathan E. Bergsagel Additional names(s) attached? _____ Yes ___X___ No	2. Name and Address of receiving party(ies): Name: Texas Instruments Inc. Address: 7839 Churchill Way, M/S 3999 City: Dallas, Texas 75251 Country: United States of America Additional name(s) & address(es) attached? ___ Yes ___X___ No
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3. Nature of Conveyance: ___X___ Assignment ___ Merger ___ Security Agreement ___ Change of Name ___ Other _____ Execution Date March 26, 2002
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4. Application number(s) or patent number(s). ___X___ This document is being filed together with a new application. Execution date of the application: March 26, 2002 Title: AUTOMATIC LINE PAIR DETECTION IN A MODEM A. Patent Application No.(s) S.N. Additional number attached? _____ Yes ___X___ No	B. Patent No.(s) Additional numbers attached? _____ Yes ___X___ No
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5. Name and address of party to whom correspondence concerning document should be mailed: J. Dennis Moore Texas Instruments Incorporated P.O. Box 655474, M/S 3999 Dallas, TX 75265 972-917-5299	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
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DO NOT USE THIS SPACE

9. Statement and signature. <i>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.</i> Scott B. Stahl, Reg. No. 33,795 Total Number of Pages Including Cover Sheet, Attachments and Document: 2

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PATENT
REEL: 012758 FRAME: 0116

DOCKET NO.: TI-33589

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 any 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, titled and interest in and to the said invention and in and 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 my hand and seal this day and year;

TITLE OF INVENTION	AUTOMATIC LINE PAIR DETECTION IN A MODEM		
SIGNATURE OF INVENTOR	Jonathan E. Bergsagel (1) x <i>Jonathan E. Bergsagel</i>		
DATE	x 3/26/2002		
RESIDENCE (City, County, State)	Sachse, Collin, Texas		
DATE APPLICATION EXECUTED	x 3/26/2002		

After recording return Assignment to: J. Dennis Moore
Texas Instruments Incorporated
P. O. Box 655474, M/S 3999
Dallas, Texas 75265