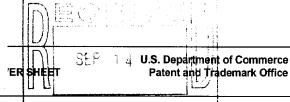
09-18-1998



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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 2. Name and Address of receiving party(les): Name of conveying party(ies):

Name: Texas Instruments Incorporated Internal Address: P. O. Box 655474, M/S 3999 Walter Y. Chen Street Address: 7839 Churchill Way City: Dallas Additional name(s) attached? ____Yes _X__ No State: Texas Zip: 75265 Additional name(s) & address(es) attached? ____ Yes _X_ No 3. Nature of Conveyance: __ Merger X Assignment Security Agreement ____ Change of Name Other ___ Execution Date: July 16, 1998 4. Application number(s) or patent number(s). 09/057,359, Filed April 8, 1998 If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? _____ Yes __X__ No Additional numbers attached? _____Yes _X___No 6. Number of applications and patents involved: ____1_ 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Warren L. Franz Internal Address: P. O. Box 655474, M/S 3999 Street Address: 7839 Churchill Way City: Dallas State:Texas Zip: 75265 7. Amount of fee enclosed or authorized to be charged: \$40.00 888000 80500000 8. Deposit account number (Attach two copies of this form if paying by deposit account): 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

Date:

Name of Person Signing: Warren L. Franz, Reg. No. 28,716

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

PATENT REEL: 9451 FRAME: 0370

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 P.O. Box 655474, MS 219, Dallas, Texas 75265, 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 patents 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	METHOD FOR SELECTING BAUD RATES FOR A RATE ADAPTIVE DIGITAL SUBSCRIBER LINE MODEM	
SIGNATURE OF INVENTOR AND NAME	Walter Y. Chen	
DATE	7/16/98	
RESIDENCE (City, County, State)	Plano, Collin Texas	
DATE APPLICATION EXECUTED	7/16/98	

After recordation, please return Assignment to:

Warren L. Franz Texas Instruments Incorporated P.O. Box 655474, MS 3999 Dallas, TX 75265

> PATENT REEL: 9451 FRAME: 0371