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FORM P.O-1595 (REV 6-93)



SHEET

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OMB No. 0651-011 (exp.4/94)

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

1. Name of conveying party(ies): Yonghe Liu 7-7-03 Additional name(s) of conveying party(ies) attached? [] Yes [X] No

2. Name and address of receiving party(ies): Name: Texas Instruments Incorporated Internal Address: Street Address: P.O. Box 655474, M/S 3999 City: Dallas State/Country: Texas ZIP: 75265 Additional name(s) & address(es) attached? [] Yes [X] No

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: July 3, 2003

4. Application number(s) or patent number(s): 20614367 If this document is being filed together with a new application, the execution date of the application is: July 3, 2003 A. Patent Application No.(s) B. Patent No.(s) Additional Numbers attached? [] Yes [X] No

6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$ 40.00 [] Enclosed [X] Authorized to be charged to deposit account

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Tammy Williams, Esq. Internal Address: Texas Instruments Incorporated Street Address: P.O. Box 655474, M/S 3999 City: Dallas State: Texas ZIP: 75251

8. Deposit account number: 20-0668 (Attach duplicate copy of this page if paying by deposit account)

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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. Thomas G. Eschweiler Signature Date: July 7, 2003

Reg. No. 36,981 Total number of pages including cover sheet attachments, and document: [4]

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 014282 FRAME: 0820

17437 U.S. PTO 10/614367 07/07/03 10614367 40.00 TM 07/21/2003 LINDSEY 0000660 01 FC:0021

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 3999, 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;

NEW, 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	OPTIMAL POWER SAVING SCHEDULER FOR 802.11e APSD	
SIGNATURE OF INVENTOR AND NAME	 Yonghe Liu	
DATE	07-03-03	
RESIDENCE (CITY AND STATE)	5720 Forest Park Road Apt. #4311 Dallas, Texas 75235	
DATE APPLICATION EXECUTED		

After recording, return Assignment to: Tammy Williams, Esq.
Texas Instruments Incorporated
P.O. Box 655474, M/S 3999
Dallas, TX 75265