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

1. Name of conveying party(ies): Byron M. Reed Kevin M. Ovens Additional name(s) of conveying party(ies) attached? Yes No

MRD 9-3-04

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: TX Zip: 75265 Additional name(s) & address(es) attached? Yes No

16834 U.S. PTO 10/933581

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: 09/02/04; 09/02/04

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: 09/02/04 A. Patent Application No. (s) B. Patent No. (s) Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Ronald Neerings Internal Address: Texas Instruments Incorporated Street Address: P.O. Box 655474, M/S3999 City: Dallas State: TX Zip: 75265

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

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9. Signature. Gary J. Pitzer Name of Person Signing [Signature] Signature September 3, 2004 Date

Total number of pages including cover sheet, attachments, and documents: 4

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

09/13/2004 6TOM11 00000152 200668 10933581 01 FC:8021 40.00 DA

PATENT REEL: 015769 FRAME: 0434

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, 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 therefore, 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	<u>LOWER POWER CONTROL MODE FOR POWER SUPPLY</u>
SIGNATURE OF INVENTOR AND NAME	<i>Byron M Reed</i> Byron M. Reed
DATE	9/2/2004
RESIDENCE (CITY AND STATE)	Murphy, TX
DATE APPLICATION EXECUTED	9/2/2004

TITLE OF INVENTION	<u>LOWER POWER CONTROL MODE FOR POWER SUPPLY</u>
SIGNATURE OF INVENTOR AND NAME	<i>Kevin Owens</i> Kevin M. Owens
DATE	<i>2 SEPT 2004</i>
RESIDENCE (CITY AND STATE)	Frisco, TX
DATE APPLICATION EXECUTED	<i>2 SEPT 2004</i>