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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Katsura Yoshio
Yasuo Matsumura

Execution Date(s) 07/13/2011 (both)

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Texas Instruments Incorporated

Internal Address: _____

Street Address: 12500 TI Boulevard - M/S 3999

City: Dallas

State: Texas

Country: USA Zip: 75243

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
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- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

U.S. Serial No.: 13/182,000

Filed: 13 July 2011

Confirmation No.: 5511

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: William Kempler

Internal Address: Texas Instruments Incorporated

Street Address: 12500 TI Boulevard - M/S 3999

City: Dallas

State: Texas Zip: 75243

Phone Number: (972) 917-5452

Fax Number: (972) 917-4418

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- Authorized to be charged by credit card
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- None required (government interest not affecting title)

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Authorized User Name Tarolli, Sundheim, Covell & Turmino, L.L.P.

9. Signature:


Signature

13-Jul-2011
Date

Christopher P. Harris, Reg. No. 43.660
Name of Person Signing

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

3

Documents to be recorded (including cover sheet) should be faxed to (571)273-0140, or mailed to:
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PATENT

CH \$40.00 200668 13182000

Application No. 13/182,000

Attorney Docket No. TI-69641

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.

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 12500 TI Boulevard - M/S 3999, Dallas, Texas 75243, 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, as well as to U.S. Provisional Application No(s). 61/365,134, filed 16-Jul-2010

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign unto the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application(s) and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Patent and Trademark Office to issue all patents for said invention, or patents resulting therefrom, 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 corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such 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.

I authorize the later insertion of the nonprovisional application number and filing date hereinbelow.

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

TITLE	LED POWER SUPPLY SYSTEMS AND METHODS		
NONPROVISIONAL APPLICATION NO.	13/182,000	FILING DATE	13-Jul-2011

SIGNATURE OF INVENTOR	<i>Katsura Yoshio</i>
PRINTED NAME OF INVENTOR	KATSURA YOSHIO
DATE	7/13/2011
RESIDENCE (CITY AND STATE)	Osaka, Japan

TI-69641

Page 2

SIGNATURE OF INVENTOR	松村 泰雄
PRINTED NAME OF INVENTOR	YASUO MATSUMURA
DATE	7/13/2011
RESIDENCE (CITY AND STATE)	Kyoto, Japan

After recording, return Assignment to:

Texas Instruments Incorporated
12500 TI Boulevard - M/S 3999
Dallas, TX 75243