

Form PTO-1595 (Rev. 06-12)

OMB No. 0651-0027 (exp. 04/30/2015)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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)

Hiroyuki Tomomatsu, Motoaki Kusamaki,

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) April 10, 2013

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

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: TX

Country: US Zip: 75243

Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

13/871,713

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Texas Instruments Incorporated

Internal Address:

Street Address: 12500 TI Boulevard, M/S 3999

City: Dallas

State: TX Zip: 75243

Phone Number:

Docket Number:

Email Address: uspto@ti.com

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 to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 20-0668

Authorized User Name Jacki Garner

9. Signature: /Neil R. Jetter/

Signature

April 29, 2013

Date

Neil R. Jetter

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 200668 13871713

RECORDATION FORM COVER SHEET

1. Name of conveying party(ies) (cont'd)

Kohichi Kubota

Yuta Masuda

Akihiro Sugihara

Hiroshi Sera Kitada

Takeshi Konno

PATENT

REEL: 030313 FRAME: 0521

Serial No.

Attorney Docket No.
TI-70851**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.

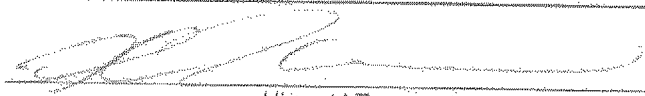
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 12500 TI Boulevard, M/S 3999, Dallas, Texas 75243, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon.

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 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 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	PHOTODETECTOR ARRAY HAVING DIFFERENT PHOTODIODE STRUCTURES
SIGNATURE OF INVENTOR AND NAME	 Hiroyuki Tomomatsu
DATE	4 / 10 / 2013
RESIDENCE (CITY AND STATE)	Dallas, TX

PATENT**REEL: 030313 FRAME: 0522**

TI-70851

Page 2

TITLE OF INVENTION	PHOTODETECTOR ARRAY HAVING DIFFERENT PHOTODIODE STRUCTURES
SIGNATURE OF INVENTOR AND NAME	<u>Motoaki Kusamaki</u> Motoaki Kusamaki
DATE	4/4 ' 2013
RESIDENCE (CITY AND COUNTRY)	Beppu-City, Oita-Pref, Japan

TITLE OF INVENTION	PHOTODETECTOR ARRAY HAVING DIFFERENT PHOTODIODE STRUCTURES
SIGNATURE OF INVENTOR AND NAME	<u>Kohichi Kubota</u> Kohichi Kubota
DATE	4/4 ' 2013
RESIDENCE (CITY AND COUNTRY)	Beppu-City, Oita-Pref, Japan

TITLE OF INVENTION	PHOTODETECTOR ARRAY HAVING DIFFERENT PHOTODIODE STRUCTURES
SIGNATURE OF INVENTOR AND NAME	<u>Yuta Masuda</u> Yuta Masuda
DATE	4/4 ' 2013
RESIDENCE (CITY AND COUNTRY)	Hayami-Gun, Oita-Pref, Japan

TI-70851

Page 2

TITLE OF INVENTION	PHOTODETECTOR ARRAY HAVING DIFFERENT PHOTODIODE STRUCTURES
SIGNATURE OF INVENTOR AND NAME	<u>Akihiro Sugihara</u> Akihiro Sugihara
DATE	4/4/13
RESIDENCE (CITY AND COUNTRY)	Beppu-City, Oita-Pref, Japan

TITLE OF INVENTION	PHOTODETECTOR ARRAY HAVING DIFFERENT PHOTODIODE STRUCTURES
SIGNATURE OF INVENTOR AND NAME	<u>Hiroshi Sera Kitada</u> Hiroshi Sera Kitada
DATE	4/11/2013
RESIDENCE (CITY AND COUNTRY)	Bunkyo-ku, Tokyo, Japan

TITLE OF INVENTION	PHOTODETECTOR ARRAY HAVING DIFFERENT PHOTODIODE STRUCTURES
SIGNATURE OF INVENTOR AND NAME	<u>Takeshi Konno</u> Takeshi Konno
DATE	04/08/2013
RESIDENCE (CITY AND COUNTRY)	Ushiku-City Ibaraki-Pref, Japan

After recording, return Assignment to:

Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, TX 75265