

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

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TI 37486

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- 1 Luigi Colombo
- 2 James J. Chambers
- 3 Mark R. Visokay
- 4

Execution Date(s) 05/20/2004; 05/25/2004; 05/21/2004

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other Document ID #102755936

4. Application or patent number(s):

A. Patent Application No.(s) 10/852,523

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Jacki Garner, Reg. No. 36,144

Internal Address:

Company: Texas Instruments Incorporated

Address: P.O. Box 655474; MS 3999

City: Dallas

State: Texas Zip: 75265

Phone Number: (214) 532-9348

Fax Number: (972) 917-4418

Email Address: j-garner2@ti.com

9. Signature:

Charles W. Gaines
Signature

12/09/2004
Date

Charles W. Gaines
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 6

2. Name and address of receiving party(ies)

(1) Name: Texas Instruments Incorporated

Street Address: P.O. Box 655474, MS 3999

City: Dallas State: Texas

Country: U.S.A. Zip: 75265

(2) Name:

Street Address:

City: State:

Country: Zip:

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

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
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers
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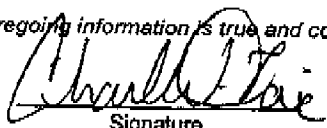
b. Deposit Account Number 20-0668

Authorized User Name Jacki Garner

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06-02-2004

Form PTO-1595 (Rev. 10/02) R		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
OMB No. 0651-0027 (exp. 6/30/2005) TI 37436		102755936	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): 1 Luigi Colombo 2 James J. Chambers 3 Mark R. Visokay 4 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5.24.04 2. Name and address of receiving party(ies) Name: Texas Instruments Incorporated Street Address: P.O. Box 655474, MS 3999 City: Dallas State: Texas Zip: 75265 Name: _____ State Address: _____ City: _____ State: _____ Zip: _____ Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____			
Execution Date(s): 1 05/20/2004 2 05/25/2004 3 05/21/2004 4 _____			
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: 05/20/2004 A. Patent Application No.(s) N/A B. Patent No.(s) 10852523 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Jacki Garner, Reg. No. 36,144 Company: Texas Instruments Incorporated Address: P.O. Box 655474; MS 3999 City: Dallas State: Texas Zip Code: 75265		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41),.....\$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 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. Charles W. Gaines Name of Person Signing  Signature 05/24/2004 Date Total number of pages including cover sheet, attachments, and documents: 2 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231			

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06/01/2004 BYTME 00000071 200668 10852523
01/FC:0021 40.00 BA

ATTORNEY DOCKET NO.
TI-37486

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, having a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, 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;

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 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 my hand and seal this day and year;

TITLE OF INVENTION	REFRACTORY METAL-BASED ELECTRODES FOR WORK FUNCTION SETTING IN SEMICONDUCTOR DEVICES		
SIGNATURE OF INVENTOR AND NAME	⁽¹⁾ Luigi Colombo	⁽²⁾ James J. Chambers	⁽³⁾ Mark R. Visokay
DATE	May 20, 2004	May 25, 2004	May 21, 2004
RESIDENCE (City, State)	6144 Yellow Rock Trail Dallas, Texas 75248	4631 Travis Street, Apt. 703 Dallas, Texas 75205	2705 Millwood Drive Richardson, Texas 75082
DATE APPLICATION EXECUTED	May 20, 2004	May 25, 2004	May 21, 2004

After recordation, please return Assignment to:

Jacki Garner
Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, TX 75265