

04-30-2007

U.S. DEPARTMENT OF COMMERCE
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TI-62452

103400262

To the Director of the U.S. Patent

attached documents of the new address(es) below.

1. Name of conveying party(ies)

Manfred Ramin
Michael F. Pas
Husam Alshareef

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) April 20, April 13 & April 17, 2007

- ☒ 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: P.O. Box 655474, M/S 3999

City: Dallas

State: Texas

Country: United States Zip: 75265

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/737,856 Filed April 20, 2007

B. Patent No.(s)

04/27/2007 DBYRNE 00000100 200668 11737856

01 FC:8021 40.00 DA

Additional numbers attached? ☐ Yes ☒ No

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

Name: Peter McLarty, Esq.

Internal Address:

Texas Instruments Incorporated

Street Address: P.O. Box 655474, M/S 3999

City: Dallas

State: Texas Zip: 75251

Phone Number: (972) 917-4258

Fax Number: (972) 917-4418

Email Address:

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)

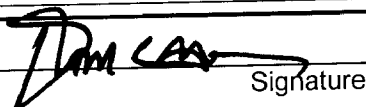
8. Payment Information

a. Credit Card Last 4 Numbers
Expiration Date

b. Deposit Account Number 20-0668

Authorized User Name Thomas G. Eschweiler

9. Signature:


Signature

April 20, 2007

Date

Thomas G. Eschweiler, Registration No. 36,981

Name of Person Signing

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

7

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

PATENT
REEL: 019234 FRAME: 0347

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

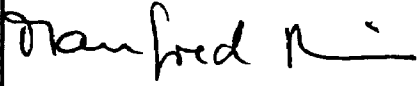
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with its principal office at P.O. Box 655474, MS 3999, Dallas, Texas 75265, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

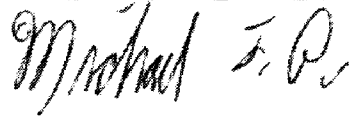
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents 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.

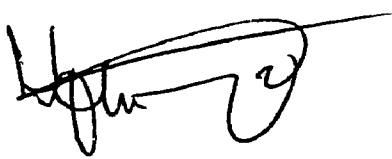
I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for 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 hand and seal this day and year;

TITLE OF INVENTION	WORK FUNCTION ADJUSTMENT WITH THE IMPLANT OF LANTHANIDES	
SIGNATURE OF INVENTOR AND NAME	 Manfred Ramin	Michael F. Pas
DATE	4/20/2007	
RESIDENCE (CITY AND STATE)	6012 Rickerhill Lane Austin, Texas 78739	4820 Ravendale Richardson, Texas 75082
DATE APPLICATION EXECUTED		

TITLE OF INVENTION	WORK FUNCTION ADJUSTMENT WITH THE IMPLANT OF LANTHANIDES	
SIGNATURE OF INVENTOR AND NAME	Manfred Ramin	 Michael F. Pas
DATE		13 April, 2007
RESIDENCE (CITY AND STATE)	6012 Rickerhill Lane Austin, Texas 78739	4820 Ravendale Richardson, Texas 75082
DATE APPLICATION EXECUTED		

TITLE OF INVENTION	WORK FUNCTION ADJUSTMENT WITH THE IMPLANT OF LANTHANIDES	
SIGNATURE OF INVENTOR AND NAME	 Husam Alshareef	
DATE	4 / 17 / 2007	
RESIDENCE (CITY AND STATE)	1215 W. Slaughter Lane # 1424 Austin, Texas 78748	
DATE APPLICATION EXECUTED		

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