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Page 1 of 2

FORM PTO 1595
1-31-92.

BT

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102215495

To the Honorable Com.

e attached original documents or copy thereof.

1. Name and Address of Conveying Party(ies):

Kaiping (nmi) Liu
2213 Senna Hills Lane
Plano, TX 75025

Individual Citizenship: Singapore

Additional name(s) of conveying party(ies) attached?

☒ Yes ☐ No

08/30/02

2. Name and Address of receiving Party(ies):

Name: TEXAS INSTRUMENTS INCORPORATED

Mailing Address: Legal Department
P.O. Box 655474, M/S 3999
Dallas, Texas 75251Street Address: Legal Department
7839 Churchill Way, M/S 3999
Dallas, Texas 75265Additional name(s) &
Address(es) attached?☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: August 27, 2002

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 : August 27, 2002, August 26, 2002 and August 27, 2002, respectively

A. Patent Application No.(s):

10/233354

B. Patent No.(s):

Additional Numbers ☐ Yes ☒ No

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

Name: Jacqueline J. Garner, Esq.
Internal Address: TEXAS INSTRUMENTS INCORPORATED
Street Address: 7839 Churchill Way, M/S 3999
City: Dallas
State: Texas Zip 75251

6. Total number of application and patents involved: One

7. Total Fee (37C.F.R. 3.41): \$40.00

☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit Account Number:

No. 20-0668 of Texas Instruments Incorporated

(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.

Kevin J. Meek, Reg. No. 33,738
Name of Person Signing

Signature

Date

8/30/02

Total number of pages including cover sheet

5

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DAL01:692729.1

PATENT
REEL: 013256 FRAME: 0860

1. **Name of Conveying Parties – Continued – ALL INDIVIDUALS**

Zhiqiang (nmi) Wu
4012 Mildenhall Dr.
Plano, TX 75093

Citizenship: United States of America

Jihong (nmi) Chen
4205 Mildenhall Dr.
Plano, TX 75093

Citizenship: United States of America

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

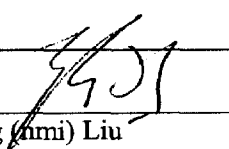
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the 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 and 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 to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

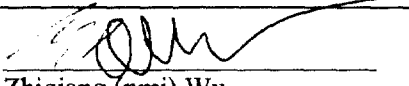
I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for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

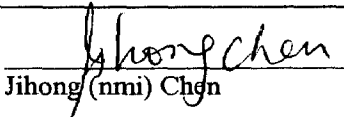
IN WITNESS WHEREOF, I hereunto set hand and seal this day and year:

Title of Invention	REDUCING THE MIGRATION OF GRAIN BOUNDARIES		
Signature of Inventor and Name	 Kaiping (Anmi) Liu		
Date	August 27 '02		
Residence (City, State & County)	2213 Senna Hills Lane Plano, TX 75025 (Plano, Collin County, Texas)		
Date Application Executed	August 27, 2002		

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

Title of Invention	REDUCING THE MIGRATION OF GRAIN BOUNDARIES		
Signature of Inventor and Name		 Zhiqiang (nmi) Wu	
Date		August 27, 2002	
Residence (City, State & County)		4012 Mildenhall Dr. Plano, TX 75093 (Plano, Collin County, Texas)	
Date Application Executed		August 27, 2002	

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

Title of Invention	REDUCING THE MIGRATION OF GRAIN BOUNDARIES		
Signature of Inventor and Name			 Jihong (nmi) Chen
Date			8/27/02
Residence (City, State & County)			4205 Mildenhall Dr. Plano, TX 75093 (Plano, Collin County, Texas)
Date Application Executed			8/27 / , 2002

After recording, return Assignment to:
Jacqueline J. Garner
Texas Instruments Incorporated
P. O. Box 655474, M/S 3999
Dallas, Texas 75265

DAL01:691462.1

RECORDED: 08/30/2002

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