

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZHICHEN ZHANG	12/26/2014
JOHN M. PIGOTT	01/07/2015
CHUANZHENG WANG	12/26/2014
QILIN ZHANG	09/06/2015
MICHAEL J. ZUNINO	01/07/2015
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14846813
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ATTORNEY DOCKET NUMBER:	SA25290ZC
NAME OF SUBMITTER:	ASVENI RAJENDRAN
SIGNATURE:	/ASVENI RAJENDRAN/
DATE SIGNED:	09/06/2015
Total Attachments: 8	
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TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	
Filing Date	
First Named Inventor	ZHICHEN ZHANG
Title	CIRCUIT FOR MONITORING METAL DEGRADATION ON INTEGRATED CIRCUIT
Art Unit	
Examiner Name	
Attorney Docket Number	SA25290ZC

SIGNATURE of Applicant or Patent Practitioner

Signature	/CHARLES BERGERE/	Date (Optional)	
Name	CHARLES BERGERE	Registration Number	36,337
Title (if Applicant is a juristic entity)	SENIOR PATENT ATTORNEY		
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

- I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:
- OR
- I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

- The address associated with the above-mentioned Customer Number
- OR
- The address associated with Customer Number:
- OR

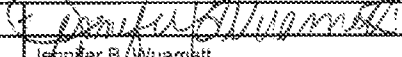
Firm or Individual Name					
Address					
City	State	Zip			
Country					
Telephone	Email				

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

- Inventor or Joint Inventor (title not required below)
- Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	
Name	Jennifer B. Wuarnett		
Title	Senior Vice President, General Counsel and Secretary		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **ZHICHEN ZHANG, CHUANZHENG WANG AND QILIN ZHANG, ALL OF CHINA; JOHN M. PIGOTT AND MICHAEL J. ZUNINO OF U.S.A.** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto FREESCALE SEMICONDUCTOR, INC., a corporation of the State of Delaware, having its principal office in Austin, State of Texas, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **CIRCUIT FOR MONITORING METAL DEGRADATION ON INTEGRATED CIRCUIT** (Docket No. SA25290ZC), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto FREESCALE SEMICONDUCTOR, INC., the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize FREESCALE SEMICONDUCTOR, INC. to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to FREESCALE SEMICONDUCTOR, INC., for the sole use and benefit of FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to FREESCALE SEMICONDUCTOR, INC.

We agree that, when requested, we will, without charge to FREESCALE SEMICONDUCTOR, INC., but at its expense, sign all papers, take all rightful oaths, and do all

inventions in any and all countries and for vesting title thereto in FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives or nominees.

We covenant with FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Zhichen Zhang DATE: 12/26/2014
ZHICHEN ZHANG

First Witness

Tian Yu DATE: _____
SIGNATURE OF WITNESS (Month-Day-Year)

Yu Tian
PRINTED NAME OF WITNESS

23rd Floor, the Exchange Building,
No.118 Jianguo Road, Chaoyang
District, Beijing 100022, P.R.C
PRINTED ADDRESS OF WITNESS

Second Witness

Yuan Liu DATE: _____
SIGNATURE OF WITNESS (Month-Day-Year)

Yuan Liu
PRINTED NAME OF WITNESS

23rd Floor, the Exchange Building,
No.118 Jianguo Road, Chaoyang
District, Beijing 100022, P.R.C
PRINTED ADDRESS OF WITNESS

John M. Pigott
JOHN M. PIGOTT

DATE: Jan 7 2015

First Witness

[Signature]
SIGNATURE OF WITNESS

DATE: 1/7/2015
(Month-Day-Year)

COWIN McANDREW
PRINTED NAME OF WITNESS

16206 S. 28TH ST. PHOENIX AZ 85048
PRINTED ADDRESS OF WITNESS

Second Witness

[Signature]
SIGNATURE OF WITNESS

DATE: 1/7/2015
(Month-Day-Year)

John Bates
PRINTED NAME OF WITNESS

1790 W. Tonto Dr Chandler, AZ 85248
PRINTED ADDRESS OF WITNESS

Chuanzheng Wang
CHUANZHENG WANG

DATE: 12/26/2014

First Witness

Tian Yu
SIGNATURE OF WITNESS

DATE: _____
(Month-Day-Year)

Yu Tian
PRINTED NAME OF WITNESS

23rd Floor, the Exchange Building,
No.118 Jianguo Road, Chaoyang
District, Beijing 100022, P.R.C
PRINTED ADDRESS OF WITNESS

Second Witness

Yuan Liu
SIGNATURE OF WITNESS

DATE: _____
(Month-Day-Year)

Yuan Liu
PRINTED NAME OF WITNESS

23rd Floor, the Exchange Building,
No.118 Jianguo Road, Chaoyang
District, Beijing 100022, P.R.C
PRINTED ADDRESS OF WITNESS

Qilin Zhang
QILIN ZHANG

DATE: 9/6/2015

First Witness

Yu Tian
SIGNATURE OF WITNESS

DATE: 9.6.2015
(Month-Day-Year)

PRINTED NAME OF WITNESS

PRINTED ADDRESS OF WITNESS

Second Witness

Lake Lu
SIGNATURE OF WITNESS

DATE: 9.6.2015
(Month-Day-Year)

PRINTED NAME OF WITNESS

PRINTED ADDRESS OF WITNESS

Michael J. Zunino
MICHAEL J. ZUNINO

DATE: 7-Jan-2015

First Witness

Colin McAndrew
SIGNATURE OF WITNESS

DATE: 1/7/2015
(Month-Day-Year)

COLIN McANDREW
PRINTED NAME OF WITNESS

16206 S. 28TH ST., PHOENIX AZ 85048
PRINTED ADDRESS OF WITNESS

Second Witness

John Bates
SIGNATURE OF WITNESS

DATE: 1/7/2015
(Month-Day-Year)

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