

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>John R. Martin</td> <td>09/20/2006</td> </tr> <tr> <td>Thomas D. Chen</td> <td>09/21/2006</td> </tr> <tr> <td>Jinbo Kuang</td> <td>09/26/2006</td> </tr> <tr> <td>Thomas Kieran Nunan</td> <td>09/26/2006</td> </tr> <tr> <td>Xin Zhang</td> <td>09/21/2006</td> </tr> </tbody> </table>		Name	Execution Date	John R. Martin	09/20/2006	Thomas D. Chen	09/21/2006	Jinbo Kuang	09/26/2006	Thomas Kieran Nunan	09/26/2006	Xin Zhang	09/21/2006
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Xin Zhang	09/21/2006												
RECEIVING PARTY DATA													
Name:	Analog Devices, Inc.												
Street Address:	One Technology Way												
City:	Norwood												
State/Country:	MASSACHUSETTS												
Postal Code:	02062-9106												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11538281</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11538281								
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CORRESPONDENCE DATA													
Fax Number:	(617)443-0004												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	6174439292												
Email:	bmansfield@bromsun.com												
Correspondent Name:	Steven G. Saunders												
Address Line 1:	125 Summer Street												
Address Line 2:	Bromberg & Sunstein LLP												
Address Line 4:	Boston, MASSACHUSETTS 02110-1618												
ATTORNEY DOCKET NUMBER:	2550/B20												
NAME OF SUBMITTER:	Steven G. Saunders												

CH \$40.00 11538281

Total Attachments: 4

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ASSIGNMENT

ASSIGNOR: John R. Martin
Thomas D. Chen
Jinbo Kuang
Thomas Kieran Nunan
Xin Zhang

ASSIGNEE: Analog Devices, Inc.
One Technology Way
Norwood, MA 02062-9106

STATE OF INCORPORATION OF ASSIGNEE: Massachusetts

INVENTION: MEMS Device with Roughened Surface and Method of Producing the Same

ATTORNEY DOCKET: 2550/B20

SERIAL NO: Not Yet Assigned

FILED: Herewith

Assignor is a joint inventor of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: Sept. 20, 2006

John R. Martin
John R. Martin, Assignor

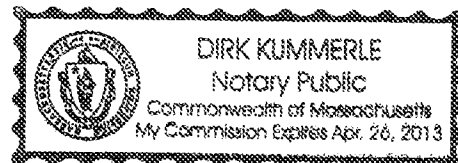
COMMONWEALTH OF MASSACHUSETTS) Massachusetts
COUNTY OF Middlesex) September 20, 2006

On this 20 day of September 2006, before me, the undersigned notary public, personally appeared John R. Martin, proved to me through satisfactory evidence of identification, which consisted of Personal Knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

[Signature]
Notary Public

Seal

My commission expires: 9/20/2013



Date: 21-Sep-2006

Thomas D. Chen
Thomas D. Chen, Assignor

COMMONWEALTH OF MASSACHUSETTS)

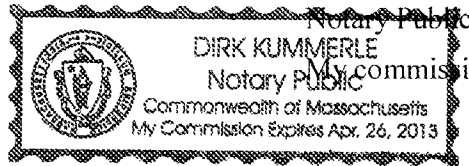
COUNTY OF Middlesex)

September 21, 2006

On this 21 day of September, 2006, before me, the undersigned notary public, personally appeared Thomas D. Chen, proved to me through satisfactory evidence of identification, which consisted of Personal Knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

[Signature]

Seal



Notary Public
My commission expires: 4/26/2013

Date: 9/26/2006

Jinbo Kuang
Jinbo Kuang, Assignor

COMMONWEALTH OF MASSACHUSETTS)

COUNTY OF Middlesex)

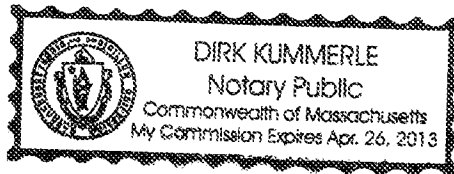
September 21, 2006

On this 21 day of September, 2006, before me, the undersigned notary public, personally appeared Jinbo Kuang, proved to me through satisfactory evidence of identification, which consisted of Personal Knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

[Signature]

Seal

Notary Public
My commission expires: 4/26/2013



Date: 9/26/2006

Thomas Kieran Nunan
Thomas Kieran Nunan, Assignor

COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF Middlesex)

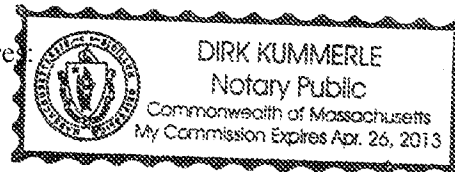
September 26, 2006

On this 26 day of September, 2006, before me, the undersigned notary public, personally appeared Thomas Kieran Nunan, proved to me through satisfactory evidence of identification, which consisted of Personal Knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

[Signature]
Notary Public

Seal

My commission expires:



Date: 9/21/2006

[Signature]
Xin Zhang, Assignor

COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF Middlesex)

September 21, 2006

On this 21 day of September, 2006, before me, the undersigned notary public, personally appeared Xin Zhang, proved to me through satisfactory evidence of identification, which consisted of Personal Knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

[Signature]
Notary Public

Seal

My commission expires: 4/26/13

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