

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Wanling Pan</td> <td>03/14/2013</td> </tr> <tr> <td>Harmeet Bhugra</td> <td>04/02/2013</td> </tr> <tr> <td>Maryam Ziaei-Moayyed</td> <td>03/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Wanling Pan	03/14/2013	Harmeet Bhugra	04/02/2013	Maryam Ziaei-Moayyed	03/14/2013
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Wanling Pan	03/14/2013								
Harmeet Bhugra	04/02/2013								
Maryam Ziaei-Moayyed	03/14/2013								
RECEIVING PARTY DATA									
Name:	Integrated Device Technology, Inc.								
Street Address:	6024 Silver Creek Valley Rd.								
City:	San Jose								
State/Country:	CALIFORNIA								
Postal Code:	95138								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13837854</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13837854				
Property Type	Number								
Application Number:	13837854								
CORRESPONDENCE DATA									
Fax Number:									
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Email:	gbailey@myersbigel.com								
Correspondent Name:	Gwen R. Bailey/MBSS								
Address Line 1:	4140 Parklake Avenue, Suite 600								
Address Line 4:	Raleigh, NORTH CAROLINA 27612								
ATTORNEY DOCKET NUMBER:	5646-268								
NAME OF SUBMITTER:	Gwen R. Bailey								
Signature:	/grb/								
Date:	04/18/2013								

CH \$40.00 13837854

Total Attachments: 4

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Wanling Pan**, a citizen of the People's Republic of China, residing at 5355 Wong Ct., Apt. 329, San Jose, California 95123; **Harmeet Bhugra**, a citizen of the United States of America, residing at 3202 Tuscan Park Ct., San Jose, California, 95135; and **Maryam Ziaei-Moayyed**, a citizen of the United States of America, residing at 555 Molluca Terrace, Sunnyvale, California 94089;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **MICROELECTROMECHANICAL RESONATORS HAVING OFFSET [100] AND [110] CRYSTAL ORIENTATIONS** for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 13/837,854, filed March 15, 2013) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Integrated Device Technology, Inc.**, a Delaware corporation having a principal place of business at 6024 Silver Creek Valley Rd., San Jose, CA 95138, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and

enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 14th day of MARCH, 2013.

Wanling Pan
Wanling Pan

STATE OF CALIFORNIA)
) ss.
COUNTY OF Santa Clara)

On this 14 day of March, 2013, before me, Leslie F. Hoffmann,
Notary Public, State of California, duly commissioned and sworn, personally appeared, **Wanling Pan**, who proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on this instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal:

Leslie F. Hoffmann (notary seal)

Signature/Seal



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2nd day of APRIL, 2013.



Harmeet Bhugra

STATE OF CALIFORNIA)
COUNTY OF Santa Clara) ss.

On this 2nd day of April, 2013, before me, Leslie F. Hoffmann, a Notary Public, State of California, duly commissioned and sworn, personally appeared, **Harmeet Bhugra**, who proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on this instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal:

Leslie F. Hoffmann (notary seal)

Signature/Seal



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 14 day of MARCH, 2013.

Maryam Ziaei-Moayyed
Maryam Ziaei-Moayyed

STATE OF CALIFORNIA)
COUNTY OF Santa Clara) ss.

On this 14 day of March, 2013, before me, Leslie F. Hoffmann, a Notary Public, State of California, duly commissioned and sworn, personally appeared, Maryam Ziaei-Moayyed, who proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on this instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal:

Leslie F. Hoffmann (notary seal)

Signature/Seal

