

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%;"><thead><tr><th style="width: 70%;">Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Sonu Daryanani</td><td>11/02/2011</td></tr><tr><td>Frank Ziegenhorn</td><td>11/08/2011</td></tr></tbody></table>		Name	Execution Date	Sonu Daryanani	11/02/2011	Frank Ziegenhorn	11/08/2011
Name	Execution Date						
Sonu Daryanani	11/02/2011						
Frank Ziegenhorn	11/08/2011						
RECEIVING PARTY DATA							
Name:	Microchip Technology Incorporated						
Street Address:	2355 West Chandler Blvd.						
City:	Chandler						
State/Country:	ARIZONA						
Postal Code:	85224-6199						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width: 100%;"><thead><tr><th style="width: 30%;">Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13301248</td></tr></tbody></table>		Property Type	Number	Application Number:	13301248		
Property Type	Number						
Application Number:	13301248						
CORRESPONDENCE DATA							
Fax Number:	(512)457-2100						
Phone:	(512) 457-2123						
Email:	trosson@kslaw.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Todd Rosson (68354.118736)						
Address Line 1:	King & Spalding L.L.P.						
Address Line 2:	401 Congress Avenue #3200						
Address Line 4:	Austin, TEXAS 78701						
ATTORNEY DOCKET NUMBER:	68354.118736						
NAME OF SUBMITTER:	Todd Rosson						
Total Attachments: 2 source=Assignment_118736#page1.tif source=Assignment_118736#page2.tif							

CH \$40.00 13301248

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the below signed inventors of record, hereby assign to:

**MICROCHIP TECHNOLOGY INCORPORATED
2355 WEST CHANDLER BLVD.
CHANDLER, AZ 85224-6199**

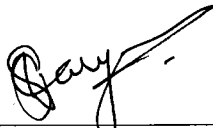
and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by me this day, entitled:

"PRECISION ON-BOARD TUNING OF EMBEDDED MICROCONTROLLER OSCILLATOR USING CHARGE TIME MEASUREMENT UNIT"

this assignment including said application, any and all United States and foreign patents, utility models, design registrations, inventor's certificates and other similar rights granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name, or in its own name, for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS THEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

Full Name of First or Sole Inventor: **SONU DARYANANI**
Residence: **9663 South Palm Drive
Tempe, AZ 85284**
Citizenship: **UNITED STATES OF AMERICA**
Post Office Address: **9663 South Palm Drive
Tempe, AZ 85284**



Signature of First or Sole Inventor

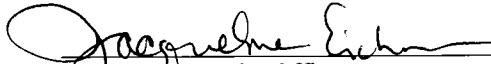
11/2/2011

Date of Signature

In the State of Arizona §
In the County of Maricopa §

Before me, the undersigned authority, on this 2nd day of November, 2011 personally appeared **Sonu Daryanani**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.





Notary or Consular Officer

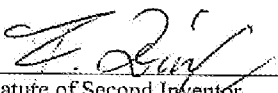
MTI-3153.US.0/ 68354.118736

Full Name of Second Inventor: **FRANK ZIEGENHORN**

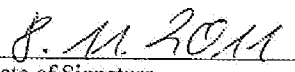
Residence: **Am Markt 4
85635 Hoehenkirchen, GERMANY**

Citizenship: **Germany**

Post Office Address: **Am Markt 4
85635 Hoehenkirchen, GERMANY**



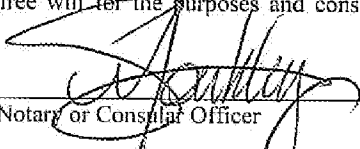
 Signature of Second Inventor



 Date of Signature

In the State of FEDERAL REPUBLIC OF GERMANY }
LAND BAVARIA § }
CITY OF MUNICH § } SS
 in the County of CONSULATE GENERAL OF THE }
UNITED STATES OF AMERICA }

Before me, the undersigned authority, on this 8th day of November, 2011 personally appeared **Frank Ziegenhorn**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



 Notary or Consular Officer
Erin N. Markley
 Vice Consul
 American Consulate General Munich