

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Zacharias Marthinus Smit</td> <td>04/17/2008</td> </tr> <tr> <td>Keith Curtis</td> <td>04/18/2008</td> </tr> <tr> <td>Jerrold S. Zdenek</td> <td>04/17/2008</td> </tr> <tr> <td>John Charais</td> <td>04/17/2008</td> </tr> </tbody> </table>		Name	Execution Date	Zacharias Marthinus Smit	04/17/2008	Keith Curtis	04/18/2008	Jerrold S. Zdenek	04/17/2008	John Charais	04/17/2008
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Keith Curtis	04/18/2008										
Jerrold S. Zdenek	04/17/2008										
John Charais	04/17/2008										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Microchip Technology Incorporated										
<b>Street Address:</b>	2355 West Chandler Blvd.										
<b>City:</b>	Chandler										
<b>State/Country:</b>	ARIZONA										
<b>Postal Code:</b>	85224-6199										
<b>PROPERTY NUMBERS Total: 1</b>											
<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>12109733</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12109733						
Property Type	Number										
Application Number:	12109733										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(713)229-7789										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	713-229-1234										
<b>Email:</b>	debbie.allen@bakerbotts.com										
<b>Correspondent Name:</b>	BAKER BOTTS, LLP										
<b>Address Line 1:</b>	910 LOUISIANA										
<b>Address Line 4:</b>	HOUSTON, TEXAS 77002-4995										
<b>ATTORNEY DOCKET NUMBER:</b>	068354.1999										
<b>NAME OF SUBMITTER:</b>	Debbie Allen										

Total Attachments: 5  
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**500523798**

**PATENT**  
**REEL: 020858 FRAME: 0684**

**CH \$40.00 12109733**

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the below signed inventor 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:

"INTERRUPT/WAKE-UP OF AN ELECTRONIC DEVICE IN A
LOW POWER SLEEP MODE WHEN DETECTING A SENSOR OR
FREQUENCY SOURCE ACTIVATED FREQUENCY CHANGE"

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.

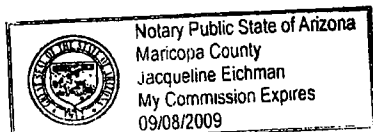
Full Name of First Inventor: ZACHARIAS MARTHINUS SMIT
Residence: 319 West Balsam Drive
Chandler, AZ 85248
Citizenship: SOUTH AFRICA
Post Office Address: 319 West Balsam Drive
Chandler, AZ 85248

Signature of First Inventor

4/17/2008
Date of Signature

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

Before me, the undersigned authority, on this 17th day of April, 2008, personally appeared Zacharias Smit, 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.



Signature of Notary or Consular Officer

Full Name of Second Inventor: **KEITH CURTIS**  
 Residence: **3305 East Los Altos  
 Gilbert, AZ 85297**  
 Citizenship: **UNITED STATES**  
 Post Office Address: **3305 East Los Altos  
 Gilbert, AZ 85297**

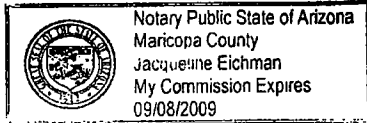
*Keith Curtis*  
 Signature of Second Inventor

4/18/2008  
 Date of Signature

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

Before me, the undersigned authority, on this 18<sup>th</sup> day of April, 2008, personally appeared **Keith Curtis**, 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.

*Jacqueline Eichman*  
 Notary or Consular Officer



Full Name of Third Inventor: **JAMES SIMONS**

Residence: **823 Mulligan St., #4  
Fraser, CO 80442**

Citizenship: **UNITED STATES**

Post Office Address: **823 Mulligan St., #4  
Fraser, CO 80442**

\_\_\_\_\_  
Signature of Third Inventor

\_\_\_\_\_  
Date of Signature

In the State of \_\_\_\_\_ §  
 In the County of \_\_\_\_\_ §

Before me, the undersigned authority, on this \_\_\_\_\_ day of \_\_\_\_\_, 2008, personally appeared **James Simons**, 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

Full Name of Fourth Inventor: **JERROLD S. ZDENEK**

Residence: **19467 North Leland Rd.  
Maricopa, AZ 85238**

Citizenship: **UNITED STATES**

Post Office Address: **19467 North Leland Rd.  
Maricopa, AZ 85238**

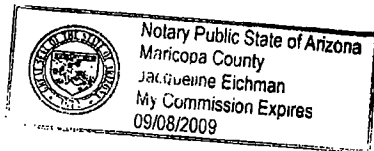
*Jerrold S Zdenek*  
Signature of Fourth Inventor

4/17/2008  
Date of Signature

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

Before me, the undersigned authority, on this 17<sup>th</sup> day of April, 2008, personally appeared **Jerrold Zdenek**, 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.

*Jacqueline Eichman*  
Notary or Consular Officer




Full Name of Fifth Inventor: **JOHN CHARAIS**

Residence: **16013 South 4th Street  
Phoenix, AZ 85048**

Citizenship: **UNITED STATES**

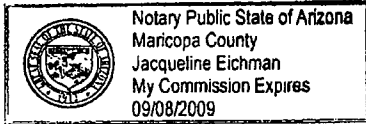
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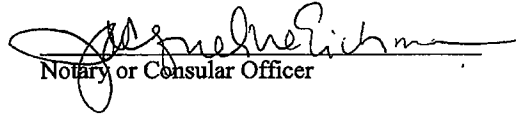
  
 \_\_\_\_\_  
 Signature of Fifth Inventor

4-17-08  
 \_\_\_\_\_  
 Date of Signature

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

Before me, the undersigned authority, on this 17<sup>th</sup> day of April, 2008, personally appeared **John Charais**, 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