

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Joseph Julicher | 02/28/2007 |
| Keith Curtis | 02/15/2007 |
| John Charais | 02/15/2007 |
| 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 | |
| Property Type | Number |
| Application Number: | 11680820 |
| CORRESPONDENCE DATA | |
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| Correspondent Name: | Paul N. Katz |
| Address Line 1: | Baker Botts L.L.P. |
| Address Line 2: | 910 Louisiana Street |
| Address Line 4: | Houston, TEXAS 77002-4995 |
| ATTORNEY DOCKET NUMBER: | 006910.2110(068354.1748) |
| NAME OF SUBMITTER: | Debbie Allen |
| Total Attachments: 3 source=0683541748Assign#page1.tif | |

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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:

**"BRUSHED MOTOR CONTROL WITH VOLTAGE
 BOOST FOR REVERSE AND BRAKING"**

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.

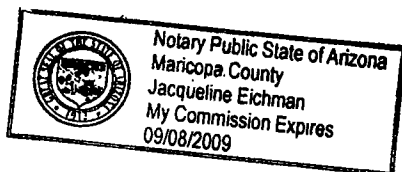
Full Name of First Inventor: **JOSEPH JULICHER**
 Residence: **43534 West Elizabeth Ave.**
Maricopa, Arizona 85239
 Citizenship: **UNITED STATES**
 Post Office Address: **43534 West Elizabeth Ave.**
Maricopa, Arizona 85239

Signature of First Inventor

2-28-07
 Date of Signature


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

Before me, the undersigned authority, on this 28th day of February, 2007 personally appeared **Joseph Julicher**, 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.



Joacqueline Eichman
 Notary or Consular Officer

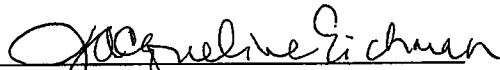
Full Name of Third Inventor: **KEITH CURTIS**
Residence: **3305 East Los Altos
Gilbert, Arizona 85297**
Citizenship: **UNITED STATES**
Post Office Address: **3305 East Los Altos
Gilbert, Arizona 85297**

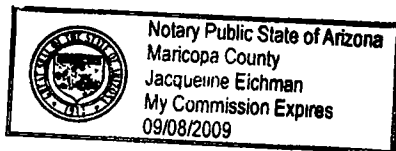

Signature of Third Inventor

2/15/07
Date of Signature

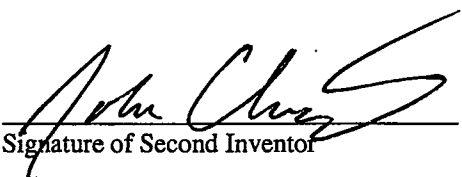
In the State of Arizona §
In the County of Maricopa §

Before me, the undersigned authority, on this 15th day of February, 2007 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.


Notary or Consular Officer



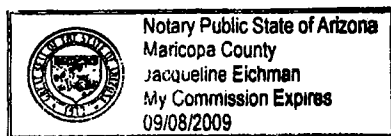
Full Name of Second Inventor: **JOHN CHARAIS**
Residence: **16013 South 45th St.
Phoenix, Arizona 85048**
Citizenship: **UNITED STATES**
Post Office Address: **16013 South 45th St.
Phoenix, Arizona 85048**

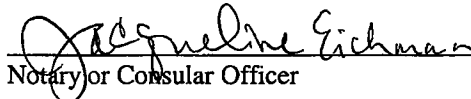

Signature of Second Inventor

2/15/07
Date of Signature

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

Before me, the undersigned authority, on this 15th day of February, 2007 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