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To the Director of the U.S. Patent and

documents or the new address(es) below

1. Name of conveying party(ies)/Execution Date(s):

Kumen E. Blake
James B. Nolan

Execution Date(s) January 20, 2005

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Microchip Technology Incorporated

Internal Address: _____

Street Address: 2355 West Chandler Blvd.

City: Chandler

State: AZ

Country: U.S.A. Zip: 85224-6199

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

This application is a Continuation-In-Part of Patent Application
10/374,016 filed February 25, 2003; Attorney Docket 068354.1342.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Paul N. Katz

Internal Address: Baker Botts L.L.P.

Street Address: One Shell Plaza

910 Louisiana, Suite 3522

City: Houston

State: Texas Zip: 4995

Phone Number: 713.229.1343

Fax Number: 713.229.7743

Email Address: Paul.Katz@bakerbotts.com

6. Total number of applications and patents involved:

2

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 02-0383

Authorized User Name Baker Botts L.L.P.

9. Signature:

Paul N. Katz
Signature

January 21, 2005

Date

PAUL N. KATZ

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT
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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:

"MULTI-CHANNEL AMPLIFIER HAVING PROGRAMMABLE OPERATIONAL CHARACTERISTICS CONTROLLED WITH A SERIAL INTERFACE"

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: KUMEN E. BLAKE
Residence: 744 W. COCHISE LN. GILBERT, AZ 85233
Citizenship: U.S.A.
Post Office Address: 744 W. COCHISE LN. GILBERT, AZ 85233

Kumen E Blake
Signature of Sole or First Inventor

Jan. 20, 2005
Date of Signature

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

Before me, the undersigned authority, on this 20th day of January, 2005 personally appeared Kumen E. Blake, 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 Public State of Arizona
Maricopa County
Jacqueline Eichman
Expires September 15, 2005

Jacqueline Eichman
Notary or Consular Officer

Full Name of Second Inventor: JAMES B. NOLAN
Residence: 1525 W. HONEYSUCKLE LANE
CHANDLER, AZ 85248
Citizenship: USA
Post Office Address: 1525 W. HONEYSUCKLE LANE
CHANDLER, AZ 85248

James B. Nolan
Signature of Second Inventor

01/20/05
Date of Signature

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

Before me, the undersigned authority, on this 20th day of January, 2005 personally appeared **James B. Nolan**, 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

