
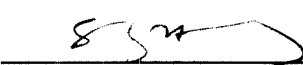


MKD 5-29-98 R 06-15-1998 R SHEET		
FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)		
 100739021		
U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
To the : Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Dara Joseph Brannick and Patrick Michael Mitchell Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: Analog Devices, Inc. Internal Address: One Technology Way Norwood, Massachusetts 02062 USA Street Address: One Technology Way Norwood, Massachusetts 02062 USA Additional name(s) & addresses(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: 2/24/98		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is		
A. Patent Application No.(s) 09/019,943	B. Patent No.(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence Concerning document should be mailed: Name: Steven J. Henry Address: WOLF, GREENFIELD & SACKS, P.C. Federal Reserve Plaza 600 Atlantic Avenue Boston, MA 02210	6. Total number of applications and patents involved: [1] <hr/> 7. Total fee (37 CFR 3.41).....\$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account The Commissioner is authorized to charge: 8. Deposit Account No: 23/2825	
<div style="display: flex; justify-content: space-between;"> 06/11/1998 JSHADAZZ 00000010 09019943 01 FEB 1998 40.00 DP </div> <div style="text-align: center; margin-top: 10px;"> DO NOT USE THIS SPACE </div>		
9. Statement and signature <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>		
Steven J. Henry		May 26, 1998
Name of Person Signing	Signature	Date
Total number of pages including cover sheet, attachments, and document: [5]		

Mail documents to be recorded with required cover sheet information to:
 Box Assignment, ,
 Washington, D.C. 20231

PATENT
 REEL: 9231 FRAME: 0607

ASSIGNMENT

THIS ASSIGNMENT is made BETWEEN
DARA JOSEPH BRANNICK, an Irish citizen of Clooneen, Hollymount,
Claremorris, County Mayo, Ireland of the First Part, and
PATRICK MICHAEL MITCHELL, an Irish citizen of Carrigeeval, Ballyvalley,
Killaloe, County Clare, Ireland of the Second Part, (hereinafter the
First and the Second Parts are collectively referred to as the
"Inventors", which expression shall include their successors and
assigns where the context so requires or admits)
AND ANALOG DEVICES, INC., a Massachusetts corporation having a place of
business at One Technology Way, Norwood, Massachusetts 02062 U.S.A.
(hereinafter referred to as the "Assignee", which expression shall
include its successors and assigns and subsidiaries where the context
so requires or admits) of the Third Part.

WHEREAS

- (a) The Inventors have made certain inventions or discoveries (or both)
set forth in an application for Letters Patent as set forth in the
Schedule hereto;
- (b) The Inventors are, or were at the time the invention was made,
employees of the Assignee or were under contractual obligation with the
Assignee, and made the said inventions and/or discoveries in the course
of carrying out their duties as such employees or contractual duties;
- (c) The Inventors agree that the said duties were such that the same
inventions and/or discoveries might reasonably be expected to result
therefrom and that in consideration of such employment or contract
their interest in and to the said inventions and/or discoveries is held
in trust for and is the absolute property of the Assignee or whomsoever
the Assignee may nominate; and
- (d) The Assignee had requested the Inventors agree to execute the
ratification of assignment hereinafter contained.

NOW THIS DEED WITNESSETH that in consideration of the premises and
without reservations:

1. The Inventors hereby assign, transfer and convey unto the
Assignee the entire right and title and interest in and to the said
inventions and/or discoveries, the said application for Letters Patent

and any and all other applications for Letters Patent or otherwise on the said Inventions and/or discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation applications and applications under the International (Paris) Convention, European Patent Convention, Patent Cooperation Treaty, Community Patent Convention, or otherwise, based in whole or in part upon said inventions and/or discoveries, or upon the said application, and in and to any and all Letters Patent, reissues and extensions of Letters Patent granted for said inventions and/or discoveries or upon the said application, and every priority right that is or may be predicated upon or arise from said inventions and/or discoveries, said application and Letters Patent;

2. The Inventors hereby authorize the Assignee to file and assent to the Assignee filing patent applications in any or all countries on any or all of said inventions and/or discoveries in the name of the Inventors or in the name of the Assignee or otherwise as the Assignee may deem advisable, under the terms of the International (Paris) Convention, European Patent Convention, Patent Cooperation Treaty, Community Patent Convention or otherwise;

3. The Inventors hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the official empowered by all other governments and under the aforesaid Conventions, Treaties or otherwise, to issue or transfer all said Letters Patent to the Assignee.

4. The Inventors hereby warrant that they have not knowingly conveyed to others any right in the said inventions and/or discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions and/or discoveries; and that the Inventors have good right to assign the same unto the Assignee without encumbrance;

5. The Inventors hereby binds their heirs, legal representatives and assigns, as well as themselves, to do, upon the Assignee's request and at the Assignee's expense, but without additional consideration to them or to the Assignee, all acts reasonably serving to assure that the said inventions and/or discoveries, the said patent application and the said Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the Inventors,

their heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to the Assignee all lawful application documents including petitions, specifications, oaths, powers of attorney, and all assignments, disclaimers and lawful affidavits in form and substance as may be required by the Assignee; to communicate to the Assignee all facts known to the Inventors relating to said Inventions and/or discoveries or the history thereof; and to furnish the Assignee with any and all documents, photographs, models, samples and other physical exhibits in the Inventors' control or in the control of their heirs, legal representatives or assigns which may be useful for establishing the facts of the conceptions, disclosures, and reduction to practice of said inventions and/or discoveries.

THE SCHEDULE ABOVE REFERRED TO

Attorneys File	U.S. Appln. Number	Filing Date	Title
F1748/Inv.3		06/02/1998	"Integrated circuit with embedded emulator and emulation system for use with such an integrated circuit"

Permission is hereby granted to Wolf, Greenfield and Sacks, P.C. to enter any identifying information missing in said schedule.

IT IS HEREBY CERTIFIED that the transaction hereby effected does not form part of a larger transaction or a series of transactions in respect of which the amount or values or the aggregate amount or value of the consideration exceeds Five thousand Irish Pounds (IR£5,000).

IN WITNESS WHEREOF the parties hereto have set their hand.

SIGNED by the said
DARA JOSEPH BRANNICK

in the presence of:

Dara Brannick
DARA JOSEPH BRANNICK

Helen Stapleton
Brian O'Mara
(WITNESSES)

this ...24.... day of ...February.....1998

SIGNED by the said
PATRICK MICHAEL MITCHELL

in the presence of:

Pat Mitchell
PATRICK MICHAEL MITCHELL

Anne-Marie Kennedy
Leah Ryan
(WITNESSES)

this ...24.... day of ...February.....1998

Signed for and on behalf of

ANALOG DEVICES, INC.

in the presence of:

BY: X William A. Wise

Name: William A. Wise

CAPACITY: Assistant CHIEF
OF CORPORATION

Dita C. Meunier
(WITNESSES)

BY: _____

Name: _____

CAPACITY: _____

(WITNESSES)

this day of1998