Attorney's Docket No. G0631/7000 SJH

RECC	06-05-1998	HEET	
FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	100728628	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the : Please	e record the attached original documer		
1. Name of conveying party(ies): Brian Anthony Moane Additional name(s) of conveying party(ies) attached 3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Other Execution Date: 10/24/97	2. Name and a Name: Ana Internal Add Norv Street Addree Norwood,	ddress of receiving partylles log Devices, Inc. ress: One Technology Way wood, MA 02062 USA ss: One Technology Way Massachusetts 02062 USA me(s) & addresses(es) attached? [] Yes [x] No	
If this document is being filed together wi A. Patent Application No.(s) 08/961,354	th a new application, the executio B. Pater		
Aa	lditional numbers attached? [] Yes [x]] No	
 Name and address of party to whom corre Concerning document should be mailed: Name: Steven J. Henry Address: WOLF, GREENFIELD & SAC Federal Reserve Plaza 600 Atlantic Avenue Boston, MA 02210 	CKS, P.C. [x] Enclosed [] Authoriz The Commission	 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$ 40.00 [x] Enclosed [] Authorized to be charged to deposit account The Commissioner is authorized to charge: 8. Deposit Account No: 23/2825 	
14/1998 DCDATES 00000118 08961354	DO NOT USE THIS SPACE		
Statement and signature 40.00 (P) To the best of my knowledge and belief, th copy of the original document.	e foregoing information is true an	d correct and any attached copy is a true	
Steven J. Henry	Strillar		
Name of Person Signing	Signature Date		
	including cover sheet, attachmen		
Mail documents to I	be recorded with required cover s Box Assignment, , Washington, D.C. 20231	heet information to:	

ASSIGNMENT

THIS ASSIGNMENT is made BETWEEN

BRIAN ANTHONY MOANE, an Irish citizen of 93 Abbey Court, Fr. Russell Road, Ballykeeffe, County Limerick, Ireland (hereinafter referred to as an "Inventor", which expression shall include his successors and assigns where the context so requires or admits) of the one part 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 other part. WHEREAS

(a) The Inventor has made certain inventions or discoveries (or both) set forth in an application for Letters Patent as set forth in the Schedule hereto;

(b) The Inventor is, or was at the time the invention was made, an employee of the Assignee or was under contractual obligation with the Assignee, and made the said inventions and/or discoveries in the course of carrying out his duties as such employee or contractual duties; (c) The Inventor agrees 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 his 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 Inventor agree to execute the ratification of assignment hereinafter contained.

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

1. The Inventor hereby assigns, transfers and conveys 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 Inventor hereby authorizes the Assignee to file and assents 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 Inventor hereby authorizes and requests 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 Inventor hereby warrants that he has 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 Inventor has good right to assign the same unto the Assignee without encumbrance;

5. The Inventor hereby binds his heirs, legal representatives and assigns, as well as himself, to do, upon the Assignee's request and at the Assignee's expense, but without additional consideration to him 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 Inventor, his 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 Inventor 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 Inventor's control or in the control of his 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	U.S. Appln.	Filing	Title
File	Number	Date	"High swing interface
			output stage integrated circuit for interfacing
A0418/	08/961,354	October 30,1997	a device with a data bus"

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 SAID BRIAN ANTHONY MOANE has executed this Assignment this $24^{\ell_{\infty}}$ day of October 1997 In the presence of

(Witness)

(Witness)

Which I ame

BRIAN ANTHONY MOANE

Signed on behalf of the said ANALOG DEVICES, INC. this Al day of October 1997 April 1998 In the presence of

Munur (Witness)

thang · Mai Name: William A. Wise 119-

(Witness)

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Title: Assistant Cherk Corp. Counsel