m PTO-1595 W. 10/02) MB No. 0651-0027 (exp. 6/30/2005) R 102559986		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
Tab settings $\Rightarrow \Rightarrow \Rightarrow \mathbf{V} \qquad \mathbf{V} \qquad \mathbf{V}$	▼	<b>V V V</b>	<u>_</u>
To the Honorable Commissioner of Patents and Trademarks	Please record the attache	d original documents or copy thereof.	<u>~e</u> gt i
<ol> <li>Name of conveying party(ies): John Kevin Behel, Frank Murden, Michael Elliott, Joseph Michael Hensley</li> </ol>		ess of receiving party(ies) G DEVICES, INC.	U.S.
		3:	2154
dditional name(s) of conveying party(ies) attached? Yes 🗸 No			~~~
B. Nature of conveyance:         ✓       Assignment         ✓       Security Agreement	Street Address:	ONE TECHNOLOGY WAY	
Other	City: NORWC	OODState:_MA_Zip:_02062	
09/09/2003 Execution Date:	Additional name(s)	& address(es) attached?	No
Additional numbers a 5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of	applications and patents involve	d: 1
		20.00	
Name:Richard S. Koppel	ł	R 3.41)\$_40.00	
Name:Richard S. Koppel	Finclosed		
	Finclosed	to be charged to deposit account	
Internal Address: Koppel, Jacobs, Patrick & Heybl	Find Enclosed	to be charged to deposit accoun	it
Internal Address:	Enclosed     Authorized	to be charged to deposit accoun	
Internal Address: Koppel, Jacobs, Patrick & Heybl  Street Address:555 St. Charles Drive	Enclosed  Authorized  8. Deposit account	to be charged to deposit accoun	it
Internal Address: Koppel, Jacobs, Patrick & Heybl Street Address: 555 St. Charles Drive Suite 107 City: Thousand Oaks State: CA Zip: 91360	Enclosed  Authorized  8. Deposit account	to be charged to deposit accoun	it
Internal Address: Koppel, Jacobs, Patrick & Heybl Street Address: 555 St. Charles Drive Suite 107 City: Thousand Oaks State: CA Zip: 91360	Enclosed  Authorized  8. Deposit account 11-1580  Enclosed  SE THIS SPACE  Charlet for the second signature  Charlet for the second signature	to be charged to deposit account t number: $\underline{S / 1 / 0 3}$ Date	nt

٦

t

PATENT REEL: 014519 FRAME: 0570

## Docket No. A5GN2342US

## ASSIGNMENT

We, John Kevin Behel, Frank Murden, Michael Elliott and Joseph Michael Hensley, residing respectively at 3315 Northbrook Drive, Greensboro, North Carolina 27410, 802 Rollingwood Drive, Greensboro, North Carolina 27410, 4300 Joseph Hoskins Drive, Summerfield, North Carolina 27358 and 524 Lakecrest Drive, Kernersville, North Carolina 27284, represent that we have invented a new and useful "DIGITALLY-CONTROLLED, VARIABLE-GAIN MIXER AND AMPLIFIER STRUCTURES" for which we have executed an application for Letters Patent of the United States of America on the same day as our execution of this Assignment.

ANALOG DEVICES, INC. (ADI) is a corporation organized and existing under the laws of the State of Massachusetts, has a place of business at One Technology Way, Norwood, Massachusetts 02062, and desires to acquire the entire right, title, and interest in and to the invention, application, and letters patent to be granted and issued thereon.

For valuable consideration, the receipt and legal sufficiency of all of which we acknowledge, we have sold and do hereby sell, assign, transfer, and set over unto ADI, its successors and assigns, the entire right, title, and interest in and to the invention and all improvements thereon, in and to the application for letters patent thereon, in and to applications pertaining to or based upon the invention and application, including divisional and continuing applications and continuations-in-part, and in and to any and all letters patent which may be granted and issued on the invention and applications, or any of them, in the United States of America, its territories and possessions, and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

We also agree that we will, at the request of ADI, execute any and all applications for letters patent for the invention, execute any and all other papers and documents and do all other and further lawful acts that ADI may deem necessary or desirable to obtain letters patent on the invention, to secure the grant of such letters patent and to protect and vest in ADI the undivided interests in the right, title and interest in the invention, applications and letters patent.

We also authorize and empower ADI, its successors and assigns to apply for and obtain, in its or their own names, letters patent for the invention before competent International Authorities and in any and all countries foreign to the United States in which applications for letters patent can be so made or letters patent so obtained.

Signed at <u>Greensborg</u>	, North Carolina, September 9 2003
Alex this pho. O	to muse
Jøhn Kevin Behel	Frank Murden/
Michael Elliott	Joseph Michael Hensley
WITNESS Corroll Spin	mitness nulth X.n/agan

PATENT REEL: 014519 FRAME: 0571

**RECORDED: 09/16/2003**