OMB No. 0651 1011 (exp. 4/94) Tab settings □□□ ▼ To the Honorable Commissioner c 1. Name of conveying party(ies): 100829 Ian Hadden Bruce J. Buchan Additional name(s) of conveying party(ies) attached? □ Yes ☑ No 3. Nature of conveyance:	783	Name:_			▼ y thereof.		
To the Honorable Commissioner c 1. Name of conveying party(ies): 100829 Ian Hadden Bruce J. Buchan Additional name(s) of conveying party(ies) attached? □ Yes ☑ No	783	Name:_	nd address of re	ceiving party(ies)	thereof.		
Ian Hadden Bruce J. Buchan Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No		_					
Bruce J. Buchan Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No		_	California .		nd address of receiving party(ies)		
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3. Nature of conveyance:		ıntemai	Address:		9,000 09,000		
☑ Assignment ☐ Merger		Street A	Address: 460 C	alle San Pabl	0		
☐ Security Agreement ☐ Change of Nat	·						
□ Other	_ '	City: Ca	marillo	_ State: CA	ZIP:_93012		
Execution Date: September 2, 1998	- ,	Additiona	name(s) & address(es) attached? Yes	₽ No		
4. Application number(s) or patent number(s):If this document is being filed together with a new applicA. Patent Application No.(s)			n date of the app ent No.(s)	lication is: 9/2/	98		
Additional numbe							
Name and address of party to whom correspondence concerning document should be mailed:	6.	Total nu	mber of applicatio	ns and patents inve	olved: 1		
Name: KOPPEL & JACOBS	- 7	Total fe	e (37 CFR 3.41)	\$_40.00			
Internal Address: Richard S. Koppel		☑ Encl		ged to deposit acc	count		
Street Address: 31255 Cedar Valley Drive Suite 302	8. [Deposit	account number:	8			
Westlake City: Village State: CA ZIP: 91362	. (age if paging by depos	sit account)		
DO NOT	USE THIS S	PACE		00000040			

Statement and signature.

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. Richard S. Koppel

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

Washington, D.C. 20231

REEL: 9446 FRAME: 0448

ASSIGNMENT

We, Ian Hadden residing at 710 Sausalito Drive, Camarillo, California 93010, and Bruce J. Buchan residing at 2318 Fig Street, Simi Valley, California 93063, represent that we have invented a new and useful "DUAL-POLARITY LOW-NOISE BLOCK DOWNCONVERTER SYSTEMS AND METHODS" 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.

CALIFORNIA AMPLIFIER, INC. is a corporation organized and existing under the laws of the State of California, has a place of business at 460 Calle San Pablo, Camarillo, California 93012, 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 CALIFORNIA AMPLIFIER, INC., 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 CALIFORNIA AMPLIFIER, INC., 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 CALIFORNIA AMPLIFIER, INC. 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 CALIFORNIA AMPLIFIER, INC. the undivided interests in the right, title and interest in the invention, applications and letters patent.

We also authorize and empower CALIFORNIA AMPLIFIER, INC., 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 CAMARILLO

. California

<u>¢ 2</u>, 1998

Lap Hadden

Bruce J. Buchan

WITNESS

ERNESTO GOL

PATENT
RECORDED: 09/04/1998 REEL: 9446 FRAME: 0449

WITNESS