## 08-17-2004

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102814677

8-904 102814677 Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Please record the attached document

	<u> </u>						
Name of conveying party(ies):	2. Name and address of receiving party(ies):						
(1) Osama Sami Haddadin (2) Brad Terry Hansen	<b>.</b> , ,						
(3) L. Andrew Gibson, Jr. (4) Roland Richard Harris							
	Name: L-3 Communications Corporation						
A 4.44 and non-(-) -6in a set (1-2) -44 -1 - 10	2 5 Communications Corporation						
Additional name(s) of conveying party(ies) attached?  Yes	Address: 600 Third Avenue						
⊠ No							
3. Nature of Conveyance:							
, in the second	City: New York						
N A	·						
□ Assignment     □ Merger	State: NEW YORK ZIP Code: 10016						
Security Agreement Change of Name							
Other:	Country: USA						
	Country. ODI						
Execution Date: (1), (3) and (4) June 23, 2004	Additional name(s) & address(es) attached?   Yes   No						
	raditional name(s) to address(es) attached: [] 1 cs [N] 140						
(2) June 24, 2004							
4. Application number(s) or patent number(s):							
Filed Herewith							
If this document is being filed together with a new application. the	e execution date of the application is: June 23, 2004 and June						
24, 2004	and all approved to a different and a differen						
A. Patent Application No.(s):	B. Patent No.(s):						
Additional numbers atta	ched? 🔲 Yes 🛛 No						
5. Name and address of party to whom correspondence concerning	6. Total number of applications and/or patents involved:						
document should be mailed:	1						
	7. Total fee (37 CFR 3.41):\$40.00						
Name: Geza C. Ziegler, Jr.							
5. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	M. Frederick						
Torritan & Green, BB1	⊠ Enclosed						
425 Post Road	☐ Charge deposit account						
	Please charge any fee deficiency to deposit account						
City: Fairfield	Zi i i i i i i i i i i i i i i i i i i						
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State: CT ZIP Code: 06824	8. Deposit account number: 16-1350						
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9. Statement And Signature:							
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To the best of my knowledge and belief, the foregoing information is true and Correct and, the attached document is either an original							
document or a true copy of the original document.							
$M \rightarrow \mathcal{L} \cup M$							
Geza C. Ziegler, Jr. August 9, 2004							
Name of Person Signing Signature O Date							
<b>9</b>							
Customer No.:	Total number of pages including cover sheet(s):						
	Page 1 of 1.						

01 FC:8021

Assignment of Rights, 11tle and Interest in Invention				Docket No.			
(Multiple inventors; single assignee)			╝	528-011212-US (PAR)			
This is an A	ssignment of the following righ	its, title and interest: (check all that apply):					
×	United States of America rights, title and interest in the invention						
×	Foreign rights, title and interest in the invention						
	United States Patent Application Serial No.						
	Date of Execution:	Date of Filing:					
	United States Provisional Patent Application Serial No.						
	United States Patent No(s).						
	International (PCT) Patent Application Serial No.						
	Other (specify)						
Title of the 1	Invention						
PARALLE	L FILTER REALIZATION FOR V	WIDEBAND PROGRAMMABLE DIGITAL RADIO	s				
nventors (a	ssignors)		····				
<u> </u>	Name	Address					
	mi Haddadin	1608 East Princeton Avenue, Salt Lak					
Brad Terry		728 Loveland Avenue, Salt Lake City,	UT	84106	<b>i</b>		
L. Andrew Gibson, Jr.		3430 WEST MAYNAR		CT.	RIVERTON	UT 840	
Roland Richard Henrie		1515 West 950 North, Provo, UT 8460	)4 ——		<del></del>		
1ssignee							
	Name	Address					
L-3 Comm	unications Corporation	600 Third Avenue New York, NY 10016					

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AS03A/REV01

## Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. 528-011212-US (PAR)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Osama Sami Haddadin	( Mama A Haddadi 6/23/04
Brad Terry Hansen	Bud ? Vlu 6/24/04
L. Andrew Gibson, Jr.	L. archen Show 1. 6/23/04
Roland Richard Henrie	1/1/km - 6/23/by

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PATENT REEL: 015674 FRAME: 0082