FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE					
(Rev. 6-93)					
OMB No. 0651-0011 (6	exp. 4/94) 08 - 30 -	²⁰⁰¹ IEET			
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To the Henerable Co	mmissioner of Patents 101828	789aoed original documents or copy thereof.			
Name of conve		2. Name and address of receiving party(ies):			
1. Italiic of conto	5 1 3 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Chad M. Wangsvio	ck; Gary M. Salvail; Mark E. Kusbel	Name: RAYTHEON COMPANY			
		Internal Address: Bldg. EO/E1/M/S E150			
`	e) of conveying party(ies) attached?	P.O. Box 902 El Segundo, California 90245-0902			
yes □	no 🗷	El Seguldo, California 90245-0302 7			
3. Nature of Conv	eyance:	Street Address: 2000 E. El Segundo Blvd.			
		Bidg. EO/E1/M/S E150			
Assignme Assignme		El Segundo, California 90245-0902			
•	Agreement				
L Other _		Additional name(s) & address(es) attached? ☐ yes ☒ no			
ExecutionDate: 08	3/07/01; 08/07/01; 08/08/01	, , , , , , , , , , , , , , , , , , ,			
4. Application nu	mber(s) or patent number(s):	1972.9			
	O_{II}	729189 13im			
If this document is	being filed together with a new application	, the execution date of the application is: 08/09/01			
		L. D. Detect No. (c)			
A. Patent Applicat		B. Patent No.(s)			
Filing	Date: Additional number	│ s attached? □ yes 囷 no			
5 Name and ad	dress of party to whom correspondence				
	cument should be mailed:				
J		7. Total fee (37 CFR 3.41) <u>\$40.00</u>			
Name:	Patent Records Administration				
Internal Address:	RAYTHEON COMPANY	□ Enclosed			
	Bldg. EO/E1/ E150 P.O. Box 902	Authorized to be charged to deposit account			
	El Segundo, California 90245-0902				
		8. Deposit account number:			
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copy of the o	riginal document.				
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COLIN M. RAL	JFER Colin	M- Kaufer AUGUST 09, 2001			
COLIN M. RAUFER Name of Person Signing Colin M - Raufer AVOUST 09, 2001 Signature Date					
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ASSIGNMENT

PD-01W044 Page 1 of 3

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) ISOLATING SIGNAL DIVIDER/COMBINER AND METHOD OF COMBINING SIGNALS OF FIRST AND SECOND FREQUENCIES for which application for Letters Patent of the United States has been executed by me on or before this day, or (if the following is completed) filed on ______ as Serial No. ______; and

WHEREAS, RAYTHEON COMPANY, (hereinafter referred to as Raytheon), a Delaware Corporation, having its principal place of business in Lexington, Massachusetts, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said RAYTHEON, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to RAYTHEON, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON, its successors, assigns or other legal representatives.

> PATENT REEL: 012111 FRAME: 0680

Raytheon

ASSIGNMENT PD-01W044 Page 2 of 3

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR INVENTOR'S SIGN	ATURE	DATE				
Chad M. Wangsvick	Wandin	8/7/01				
RESIDENCE (CITY AND STATE)		ON AGREEMENT DATE				
Tucson, Arizona 85713	APRIL	1997				
FULL NAME OF SOLE OR JOINT INVENTOR INVENTOR'S SIGN		DATE				
Gary M. Salvail	~	2/7/01				
RESIDENCE (CITY AND STATE)	INVENT	ON AGREEMENT DATE				
Tucson, Arizona 85715	August	13, 1982				
^						
FULL NAME OF SOLE OR JOINT INVENTOR INVENTOR'S SIGN	ATURE	DATE				
Mark E. Kusbel		08/08/ni				
RESIDENCE (CITY AND STATE)	INVENT	ON AGREEMENT DATE				
Tucson, Arizona 85748	031	03/77				
		<u> </u>				
FULL NAME OF SOLE OR JOINT INVENTOR INVENTOR'S SIGN	ATURE	DATE				
RESIDENCE (CITY AND STATE)	INVENT	ON AGREEMENT DATE				
STATE OF Symu	00.					
COUNTY OF Man	SS:					
On (201) before me,	in 1 Vinner	an.				
	All to be	asitik				
a Notary Public in and for said State, personally appeared And 11 Hangsered						
- Lary Factoria						
personally known to me or proved to me on the basis						
name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or						
the entity upon behalf of which the person(s) acted, execute	d the instrument.					
WITNESS my hand and official seal.						
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My 1 cxp./cs June 10, 2002	ALINE C. ZI					

PIMA COUNTY

My Comm. Expires June 10 2302

PATENT

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ASSIGNMENT

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COUNTY OF Comments of 2001 before me,)) ss:		
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a Notary Public in and for said State, personally appear	red <u>monare</u>	p. Justice	
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