503757434 03/29/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

sion v1.1 EPAS ID: PAT3804080

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
RAINEE N. SIMONS	03/10/2016
EDWIN G. WINTUCKY	03/11/2016

RECEIVING PARTY DATA

Name:	US GOVERNMENT ADMINISTRATOR OF NASA
Street Address:	300 E STREET SW
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20546-0001

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15010195	

CORRESPONDENCE DATA

Fax Number: (216)433-6790

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2164333663

Email: ROBERT.EARP@NASA.GOV

Correspondent Name: NASA GLENN RESEARCH CENTER ROBERT H. EAR

Address Line 1: 21000 BROOKPARK ROAD

Address Line 2: MAIL STOP 142-7

Address Line 4: CLEVELAND, OHIO 44135

ATTORNEY DOCKET NUMBER:	LEW 19045-2
NAME OF SUBMITTER:	ROBERT H. EARP, III
SIGNATURE:	/ROBERT.H.EARPIII/
DATE SIGNED:	03/29/2016

Total Attachments: 4

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PATENT 503757434 REEL: 038119 FRAME: 0286

RECORDATION FO	ORM COVER SHEET
PATENT	SONLY
To the Director of the U.S. Palent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.
Name of conveying party(les)	2. Name and address of receiving party(ies)
#*************************************	Name:
Rainee N. Simons	Internal Address:
Additional name(s) of conveying party(les) attached? 💹 Yes 🗌 No	
3. Nature of conveyance/Execution Date(s):	Street Address: 300 E Street, SW
Execution Date(s) 03/10/2016	
Assignment Merger	- Washington
Security Agreement Change of Name	City: Washington
Joint Research Agreement	State: DC
Government Interest Assignment	Country: USA Zip: 20546-0001
Executive Order 9424, Confirmatory License	
Other	Additional name(s) & address(es) attached? Yes No
	document serves as an Oath/Declaration (37 CFR 1.63).
A. Patent Application No.(s)	B. Patent No.(s)
15/010 105	
15/010,195	
Additional numbers at	ached? Yes No
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be mailed:	involved:
Name: Robert H. Earp, III	7. Total fee (37 CFR 1.21(h) & 3.41) \$0
Internal Address: MS142-7	
	Authorized to be charged to deposit account
Street Address: 21000 Brookpark Road	Enclosed
	None required (government interest not affecting title)
City: Cleveland	8. Payment Information
State: OH Zip: 44135	
Phone Number: 216-433-3663	Para and Arana and Arana and
Docket Number: LEW 19045-2	Deposit Account Number
Email Address:_ Robert.Earp@nasa.gov	Authorized User Name
9. Signature:	March 29, 2016
Signature	Date
Robert H. Earp, IIV	Total number of pages including cover sheet, attachments, and documents:
Name of Person Signing	t) should be faxed to (571) 273-0140, or mailed to:
	f the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

RECORDATION FORM COVER SHEET PATENTS ONLY

Continuation of the information for item one Name of conveying parties

Additional names of conveying parties:

Edwin G. Wintucky

PATENT REEL: 038119 FRAME: 0288



Assignment to the Government (by Government Employee)

Title of Invention:	Multimode Direct	ional Coupler					
inventor(s):	Rainee N. Simons	, Edwin Wintucky					
NASA Case No.:	LEW 19045-2	Application No.*;	15/010,195	Filing	Dale*	01/29/2016	
		int and Agreement are represented by the A					
WHEREAS, the ma	king of this Assignme	ent and Agreement is	in accordance with	37 CFR P	art 501; and	ŧ	
	lersigned inventor(s) a above-entilled inve	has (have) executed, ntion.	on the date(s) ind	icated belo	w, an applic	cation for United	
 Assign to the America, its territoric 	Government my (ou as and possessions,	employment by the G ir) full and exclusive ri and my (our) entire ri application(s) and any	ght in and to said i ght, title and intere	nvention wi st in and to	thin the Un said applic		
accordance with 37 amended. If the Gov country, in accordant tonexclusive, irrevo	CFR 501.9(d), including vernment chooses not lice with 37 CFR 501. cable, royalty-free lice	t my (our) full and exc ling rights of priority u of to file an application .9(d), and such rights lense in the invention will appear, where pr	nder the Internation in any foreign cou will be subject to the with power to gran	nal Conver intry, I (we) ne reserval t licenses f	ition of Pari may reque ion to the G or all gover	s (1883), as st rights in that sovernment of a nmental	
nformation to, and (ernment, (a) to execu ly manner with the Go nd Agreement.					ř
*4. Authorize an above when require	d request the attome	ys of record in the ap	plication to insert th	ne applicati	an number	and filing date	
Tain a K			March 10, 20	16	ń	1/29/2016	
(Signature of Inventor	(200,000,000,000,000,000,000,000,000,000	<u> 70</u>	ele Assignment Exec	uted) (******	ation Executed)	
Rainee N. Simons		24792 Tar	a-Lynn Drive, Nor	th Olmsted	OH 4407	0. USA	
(Inventor's Typed Nan	ne)	(Mailing Add	ress - Including Court	try)			
				······································	0	1/29/2016	
(Signature of Inventor)	(0.	ate Assignment Exec	uted) i	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	tion Executed)	
Edwin Wintucky	***************************************		idward Drive, Easi		4095, USA	<i>L</i>	
(Inventor's Typed Nan	ne)		ress - Including Coun	try)			
(Signature of Inventor	<u> </u>	(D,	ate Assignment Exec	uled) (Date Applica	ntion Executed)	****
(Inventor's Typed Nan	ne)	(Mailing Add	ress - Including Coun	try)			

NASA FORM 430 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.



Assignment to the Government (by Government Employee)

		and the second	*		
Title of Invention:	Karoki,a. reticia	e de la companya de l			
	Multimode Directi	ioum coubiei.			
Inventor(s);	Rainee N. Simons	, Edwin G. Wintucky	g: 888		
		en al Maria de la compania del compania de la compania del compania de la compania del la compania de la compania del la compania de la compa			
			97 ADT 987 994 TO 4 994 TA 7 H		
NASA Case No.:	LEW 19045-2	Application No.*:	15/010,195	Filing Date*:	01/29/2016
WHEREAS, the pa Government (herea Administration;	rties to this Assignme after Government), as	nt and Agreement ar represented by the /	e the undersigned in Administrator of the h	ventor(s) and the lational Aeronauti	United States cs and Space
WHEREAS, the ma	king of this Assignme	ent and Agreement is	in accordance with i	37 CFR Part 501:	and
WHEREAS, the un- States Patent on th	dersigned inventor(s) e above-entitled inver	has (have) executed ation.	, on the date(s) indic	ated below, an ap	plication for United
NOW THEREFORI	Ε, in consideration of (emolowment by the C	troucoment the und	are immed horotox	
 Assign to the 	e Government my (au	r) full and exclusive r	ight in and to said in	vention within the	United States of
America, its territori	ies and possessions, .	and my (our) entire r	ight, title and interest	in and to said app	olication, and any
corresponding cont	inuation or divisional a	application(s) and an	y patent(s) that may	issue therefrom.	
2 Agree to gra	int to the Government	my (our) full and eve	Sucius formina riabte	in and to enid in	asoa ia
accordance with 37	CFR 501.9(d), includ	ing (our) ruit and ext ling rights of priority (ausive ioreign rights inder the Internation:	iii and to sald inve al Convention of P	muon, in Sans (1883) se
amended. If the Go	vemment chooses no	it to file an application	n in anv foreign coun	try. I (we) may rec	west rights in that
country, in accorda	nce with 37 CFR 501.	9(d), and such rights	will be subject to the	reservation to the	Government of a
nonexclusive, irrevo	ocable, royally-free lice	ense in the invention	with power to grant	licenses for all gov	remmental
purposes, i ne term invention.	is of such reservation	will appear, where p	racticable, in any fore	eign patent which i	may issue on such
servanian.					
3. Agree, at the	expense of the Gove	ernment, (a) to execu	te any document for	(b) to deliver any	requested
information to, and	(c) to cooperate in an	y manner with the Go	overnment in order to	allow the Govern	ment to protect any
interest transferred	by this Assignment ar	nd Agreement.			
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above when require	ia roquest ine attorne.	ka ni ramin ili me ah	bucamon to meet the	appiication nume	er and niing date
(Signature of Invento	м		min Annine manuf Toron	70.55	01/29/2016
Jan 7. dagam, adam magada da			rate Assignment Execu		lication Executed)
Rainee N. Simons (Inventor's Typed Na	me)		<u>'a-Lynn Drive, Nortl</u> Iress - Including Count		<u> </u>
	1 of 8:	festimit ACO	ross - manning Sami	py sill i	
Clivin G. Wi	minimum.	· · · · · · · · · · · · · · · · · · ·	03/11/2016		01/29/2016
(Signature of Inventor		D	ate Assignment Execut	led) (Date App	lication Executed)
Edwin G. Wintuck:		<u>36236 Wi</u>	ndward Drive, Eastli	ike, OH 44095, U	SA
(Inventor's Typed Na	me)		ress - Including Countr		
(Signature of Invento)	7	70	ate Assignment Execut	ed) (Date Ann	lication Executed)
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(Mailing Address - Including Country)

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PATENT REEL: 038119 FRAME: 0290

RECORDED: 03/29/2016

(Inventor's Typed Name)