504210275 02/02/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4256952

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MR. RODGER W. DYSON JR.	01/27/2017

RECEIVING PARTY DATA

Name:	US GOVT 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:	15419571	

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: 216-433-3663

Email: robert.earp@nasa.gov

Correspondent Name: ROBERT H. EARP, III

Address Line 1: 21000 BROOKPARK ROAD

Address Line 2: MS 142-7

Address Line 4: CLEVELAND, OHIO 44135

ATTORNEY DOCKET NUMBER:	LEW 19387-1
NAME OF SUBMITTER:	ROBERT H. EARP, III
SIGNATURE:	/Robert H. Earp, III/
DATE SIGNED:	02/02/2017

Total Attachments: 2

source=NOR19387#page1.tif source=NOR19387#page2.tif

PATENT 504210275 REEL: 041160 FRAME: 0504

RECORDATION FORM COVER SHEET				
PATEN1	S ONLY			
To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.			
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)			
	Name: United States Government Administrator of National Aeronautics and Space Administration			
Rodger W. Dyson, Jr.	Internal Address:			
Additional name(s) of conveying party(ies) attached?	Street Address: 300 E Street, SW			
3. Nature of conveyance/Execution Date(s):				
Execution Date(s)				
Assignment Merger	Machineton			
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	2ip			
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)			
15/419,571				
Additional numbers at	ached? Yes No			
5. Name and address to whom correspondence	6. Total number of applications and patents			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III	6. Total number of applications and patents			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road City: Cleveland	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road City: Cleveland	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road City: Cleveland State: OH Zip: 44135	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road City: Cleveland State: OH Zip: 44135 Phone Number: (216) 433-3663	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road City: Cleveland State: OH Zip: 44135 Phone Number: (216) 433-3663 Docket Number: LEW 19387-1	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road City: Cleveland State: OH Zip: 44135 Phone Number: (216) 433-3663 Docket Number: LEW 19387-1 Email Address: Robert.Earp@nasa.gov 9. Signature: /Robert H. Earp, III/ Signature	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road City: Cleveland State: OH Zip: 44135 Phone Number: (216) 433-3663 Docket Number: LEW 19387-1 Email Address: Robert.Earp@nasa.gov 9. Signature: /Robert H. Earp, III/ Signature Robert H. Earp, III	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			
5. Name and address to whom correspondence concerning document should be mailed: Name: Robert H. Earp, III Internal Address: MS 142-7 Street Address: 21000 Brookpark Road City: Cleveland State: OH Zip: 44135 Phone Number: (216) 433-3663 Docket Number: LEW 19387-1 Email Address: Robert.Earp@nasa.gov 9. Signature: /Robert H. Earp, III/ Signature	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$			

PATENT REEL: 041160 FRAME: 0505



Assignment to the Government (by Government Employee)

		4%		~~/	
Title of Invention:	Thermoscoustic C	onvertor			
Inventor(s):	Rodger W. Dyson,	Jr.			
NASA Case No.:	LEW 19387-1	Application No.*:	15/419,511	Filing Date*.	01/30/2017
WHEREAS, the par Government (herea Administration;	rlies to this Assignmen liter Government), as	nt and Agreement are	the undersigned invented dministrator of the Nation	on's) and the Ur	nited States
WHEREAS, the ma	king of this Assignme	nt and Agreement is	in accordance with 37 CI	FR Part 501; an	o .
WHEREAS, the uno States Patent on the	dersigned inventor(s) i s above-entitled inven	has (have) executed, ition.	on the date(s) indicated	below, an appli	cation for United
 Assign to the America, its territori 	i Government my (our se and possessions, a	r) full and exclusive ri and my (our) entire ri	overnment, the undersig ght in and to said inventi- ght, title and interest in a patent(s) that may issue	on within the Ur	ited States of ation, and any
accordance with 37 amended. If the Gor country, in accordar nonexclusive, irrevo	CFR 501.9(d), including vernment chaoses not see with 37 CFR 501.1 cable, royalty-free lice	ing rights of priority u t to file an application 3(d), and such rights inse in the invention	lusive foreign rights in an nder the International Co i in any foreign country, I will be subject to the rese with power to grant licens acticable, in any foreign p	nvention of Par (we) may reque Pvation to the G	is (1883), as ast rights in that Sovernment of a
interest transferred l	o) to cooperate in any by this Assignment an d request the attorney do	rmanner with the Go id Agreement.	e any document for, (b) to vernment in order to allow policetion to insert the app	w the Governme	ant to protect any
(Signature of inventor)	(0)	te Assignment Executed)	(Date Applica	ation Executed)
Rodger W. Dyson. //nventor's Typed Ner		38075 Che (Mailing Addr	stnut Ridge Road, Elyris øss - Including Country)	<u>, OHO 44035, 1</u>	USA
(Signature of Inventor		(Oi	ite Assignment Executed)	(Date Applica	ation Executed)
(Inventor's Typed Nan	18)	(Mailing Addi	ess - Including Country)		
(Signature of Inventor,		(De	de Assignment Executed)	(Date Applica	tion Executed)
(inventor's Typed Nan	re)	(Wailing Addr	ess - Including Country)		

PATENT REEL: 041160 FRAME: 0506

RECORDED: 02/02/2017

NASA FORM 430 DEC 2000 PREVIOUS EDITIONS ARE OSSOLETE.