12/27/2017 504704963

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4751685

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MS. ANGELA R. HARRIVEL	08/13/2015
MR. TRISTAN A. HEARN	08/24/2015

RECEIVING PARTY DATA

Name: UNITED STATES 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:	14278426		

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: ROBERT H. EARP, III Address Line 1: 21000 BROOKPARK ROAD

Address Line 2: 142-7

Address Line 4: CLEVELAND, OHIO 44135

ATTORNEY DOCKET NUMBER:	LEW 18952-1
NAME OF SUBMITTER:	ROBERT H. EARP, III
SIGNATURE:	/Robert H. Earp, III/
DATE SIGNED:	12/27/2017

Total Attachments: 4

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> **PATENT REEL: 044490 FRAME: 0648**

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	RM COVER SHEET			
	S ONLY			
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)			
Assessed D. Hanniford	Name: United States Government Administrator of National Aeronautics an Space Administration			
Angela R. Harrivel	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes No				
3. Nature of conveyance/Execution Date(s):	Street Address: 300 E Street, SW			
Execution Date(s)				
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			
4. Application or patent number(s):	document serves as an Oath/Declaration (37 CFR 1.63).			
A. Patent Application No.(s)	B. Patent No.(s)			
4.4/070.400				
14/278,426				
Additional numbers att	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) \$			
Internal Address: MS 142-7				
	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	14.0116			
Docket Number: LEW 18952-1	Deposit Account Number 14-0116			
Email Address:_Robert.Earp@nasa.gov	Authorized User Name_Robert H. Earp, III			
9. Signature: /Robert H. Earp, III/	December 27, 2017			
Signature	Date			
Robert H. Earp, III Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:			
Documents to be recorded (including cover shee				
Mail Stop Assignment Pacardation Services Director of	f the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450			

REEL: 044490 FRAME: 0649

RECORDATION FORM COVER SHEET PATENTS ONLY

Continuation of the information for item one Name of conveying parties

Additional names of conveying parties:

Tristan A. Hearn

PATENT REEL: 044490 FRAME: 0650



Assignment to the Government (by Government Employee)

		Inh annei	miiche Ciibi	nyee)	
Title of Invention:	Detection of Mental	State and Reduction	on of Artifacts Using	Functional Near	
	Infrared Spectroscop	py (FNIRS)			
Inventor(s):	Angela Harrivel, Tri	stan Hearn			
NASA Case No.:	LEW 18952-1	Application No.*:	14/278,426	Filing Date*:	05/15/2014
	ties to this Assignment fter Government), as re				
WHEREAS, the make	king of this Assignment	and Agreement is	in accordance with 3	7 CFR Part 501, and	3
WHEREAS, the und States Patent on the	ersigned inventor(s) has above-entitled invention	as (have) executed on.	on the date(s) indica	ted below, an applic	ation for United
Assign to the America, its territorie	, in consideration of en Government my (our) is and possessions, an nuation or divisional ap	full and exclusive ri d my (our) entire ri	ght in and to said inveght, title and interest i	ention within the Un n and to said applic	ited States of ation, and any
accordance with 37 is amended. If the Gov country, in accordan- nonexclusive, irrevoc	of to the Government modern to the Government chooses not the contract of the	g rights of priority u o file an application d), and such rights se in the invention	nder the International in any foreign countr will be subject to the with power to grant lic	Convention of Pari y, I (we) may reque reservation to the G ænses for all govern	s (1883), as st rights in that overnment of a nmental
information to, and (d	expense of the Govern c) to cooperate in any r ry this Assignment and	nanner with the Go	e any document for, (vernment in order to	b) to deliver any rec allow the Governme	quested nt to protect any
*4. Authorize and	frequest the attorneys	of record in the an	olication to insert the	application number	and filing date
above when required			\$ 1	· ·	and ming add
angola K	<u> </u>		8/13/15 ate Assignment Execute	05	/15/2014
(Signatifie of inventor)		(D)	ate Assignment Execute	d) (Date Applica	tion Executed)
Angela Harrivel (Inventor's Typed Nam	no)	1960	14 Rd Ro	guoson,V s	1 9360gr
iniversity a rypeu ream	(€)	(Mauny Audi	ess - Including Country)		
(Signature of Inventor)			ata danimarant Puranta		/15/2014
Tristan Hearn		Į De	ite Assignment Execute	и) (Date Аррііса	tion Executed)
(Inventor's Typed Nam	e}	(Mailing Addr	ess - Including Country)		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
(Signature of Inventor)		(Di	ite Assignment Execute	d) (Date Applica	tion Executed)
(Inventor's Typed Nam	e)	(Mailing Addr	ess - Including Country)	·····	

NASA FORM 430 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.

PATENT REEL: 044490 FRAME: 0651

05/15/2014

Filing Date*:



Assignment to the Government (by Government Employee)

14/278,426

Market Co.	1.1900		1000	
Title		10.00	2.1.2.h.	A
3 34 602	1.22 61	1 4 62	1 6 2 2	4.6

NASA Case No.:

Detection of Mental State and Reduction of Artifacts Using Functional Near

Infrared Spectroscopy (FNIRS)

inventor(s):

Angela Harrivel, Tristan Hearn

LEW 18952-1

			the form of the control of the contr		in the same and the same	
WHEREAS,	the par	ties to this Assignmer	nt and Agreement are	the undersigned inve	ntor(s) and the U	inited States

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration:

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

Application No.*:

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

- Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.
- 2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.
- 3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.
- *4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

		05/15/2014
(Signature of Inventor)	(Date Assignment Executed)	(Date Application Executed)
Angela Harrivel		
(Inventor's Typed Name)	(Meiling Address - Including Country)	
	24 AUG 15	05/15/2014
(Signature of Inventor)	(Date Assignment Executed)	(Date Application Executed)
Tristan Hearn		
(Inventor's Typed Name)	(Mailing Address - Including Country)	
(Signature of inventor)	(Date Assignment Executed)	(Date Application Executed)
(Inventor's Typed Name)	(Mailing Address - Including Country)	

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PATENT REEL: 044490 FRAME: 0652

RECORDED: 12/27/2017