01/24/2018 504743787

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4790515

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MR. ALI A. AMERI	01/18/2018
MR. VIKRAM SHYAM	10/10/2017

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:	15728941

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 19024-1
NAME OF SUBMITTER:	ROBERT H. EARP, III
SIGNATURE:	/Robert H. Earp, III/
DATE SIGNED:	01/24/2018

Total Attachments: 5

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> **PATENT** REEL: 044711 FRAME: 0368

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RECORDATION FORM COVER SHEET		
PATENTS ONLY		
	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)	
Ali A Amori	Name: United States Government Administrator of National Aeronautics an Space Administration	
Ali A. Ameri	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: USAZip: 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)	
15/000 044		
15/828,941		
Additional numbers att	I ached?	
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 19024-1	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 14, 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 sheet	·	
Mail Stop Assignment Recordation Services, Director o	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:

Vikram Shyam



Assignment to the Government (by Government Employee)

Title of Invention	HIGH BLOWING	RATIO HIGH EFFI	ECTIVENESS FILM (COOLING CON	FIGURATIONS
Inventor(s)	Ali A. Ameri, Vikr	am Shyam			
NASA Case No.:	LEW 19024-1	Application No.*:	15/828,941	Filing Date*:	10-10-2017
			the undersigned inver dministrator of the Nati		
WHEREAS, the make	ting of this Assignmen	nt and Agreement is	in accordance with 37	CFR Part 501; ar	nd
	ersigned inventor(s) head of the above-entitled inventor		on the date(s) indicate	ed below, an appl	lication for United
Assign to the America, its territorie	Government my (our is and possessions, a) full and exclusive ri ind my (our) entire ri	overnment, the unders ght in and to said inver ght, title and interest in patent(s) that may isa	ntion within the U and to said appli	
accordance with 37 amended. If the Gov country, in accordan nonexclusive, irrevol	CFR 501.9(d), includi ernment chooses not ce with 37 CFR 501.9 cable, royalty-free lice	ng rights of priority u to file an application (d), and such rights thise in the invention	lusive foreign rights in a nder the International (in any foreign country will be subject to the re with power to grant lice acticable, in any foreig	Convention of Pa , I (we) may requ eservation to the enses for all gove	ris (1883), as est rights in that Government of a immental
information to, and (manner with the Go	te any document for, (b evernment in order to a		
above when required		rs of record in the ap	plication to insert the a		
(Signature of Inventor,	***************************************	D	10/10/20/7 ate Assignment Executed) (Date Appli	cation Executed) (
Ali A. Ameri		32720 Sha	idow Brook, Solon, Ol	1 44139, USA	
(Inventor's Typed Nan	16)	(Meiling Add	ress - Including Country)		
1/3h 1	· · · · · · · · · · · · · · · · · · ·		10/10/2017	10/1	0/20/7-
(Signature of Inventor)),	(D	ate Assignment Executed) (Date Appli	cation Executed)
Vikram Shyam (Inventor's Typed Nan	2003		rna Lane, Olmsted Tw ress - Including Country)	p. OH 44138, U	<u>SA</u>
Consource & Maca same	rwy	Assamily Sight	over induced somety)		
(Signature of Inventor)		(D	ate Assignment Executed	(Date Appli	cation Executed)
(Inventor's Typed Nan	ie)	(Mailing Add	ress - Including Country)		

NASA FORM 430 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.



Patent Application
NASA Case No. <u>LEW 19024-1</u>

ASSIGNMENT and AGREEMENT

WHEREAS, the The Contractor, <u>Vantage Partners</u>, <u>LLC</u> (The CONTRACTOR/GRANTEE) a corporation, and existing under the laws of the State of <u>Ohio</u>, and having its principal place of business at <u>Brook Park</u>, <u>OH 44142</u>.

The said CONTRACTOR/GRANTEE having elected NOT to retain the title under the provisions of 35 U.S.C. §202 to a Subject Invention made in the performance of work under a contract/grant between the CONTRACTOR/GRANTEE and the Government of the United States of America (the Government), the Subject Invention being identified as:

TITLE: High Blowing Ratio High Effectiveness Film Cooling Effectiveness

INVENTORS:		
1. Ali A. Ameri	Employer	Vantage Pa

1. Ali A. Ameri	Employer Vantage Partners, LLC
2. <u>Vikram Shyam</u>	Employer <u>NASA</u>
This assignment is applicable to INVENTORS.	(check appropriate)
X(1),(2)	en version de la company de
The said CONTRACTOR/GRANTEE being a:	Xsmall business,college or university,
	other nonprofit organization;
CONTRACT/GRANT NO_PROJECT	
CONTRACTOR/GRANTEE CASE NONNC	12BA01B
NASA CASE NO. LEW 19024-1 APPLICAT	ION EXECUTED <u>10/10/2017</u>

The undersigned inventor(s) in recognition of an obligation as employee(s) of the CONTRACTOR/GRANTEE to assign this invention to the CONTRACTOR/GRANTEE, and pursuant to the OBLIGATIONS OF THE CONTRACTOR/GRANTEE to the Government under the above CONTRACT/GRANT, hereby assign(s) to the Government of the United States of America as represented by the Administrator of the National Aeronautics and Space Administration (NASA), the full and exclusive right in and to the said Subject Invention within the United States of America, its territories and possessions, and the entire right, title, and interest in and to said patent application, and any applications continuing therefrom and such Letters Patent as may issue therefrom.

The inventor(s) hereby covenant(s) that he/she (they) has (have) the right to grant the foregoing assignment and further agree(s) to the provisions stated below which are applicable to the inventor(s).

Further, the inventor(s) hereby assign(s) to the Government, the foreign rights in and to the said invention including rights of priority under the International Convention of Paris (1883), as amended.

Assignment small entity contractor/employee to NASA

Page 1 of 3 Assignment-Contractor-19024-1.doc

Signed this 18th day of January 201	
SIGNED: 4-4-4-1 TITL (Signature)	E: Research Scientist (Typed or Printed)
NAME: Ali A. Ameri (Typed or Printed)	Vantage Partners, LLC Contractor or Grantee

Regulations concerning the licensing of Government-owned inventions, any decision concerning the revocation or

Assignment small entity contractor/employee to NASA

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REEL: 044711 FRAME: 0374

modification of its license.