### 506709290 06/10/2021

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6756109

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHRISTOPHER DELLACORTE	10/15/2018
FRANSUA THOMAS	10/15/2018
MALCOLM K. STANFORD	10/15/2018

#### **RECEIVING PARTY DATA**

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City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20546-0001

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16173290

#### **CORRESPONDENCE DATA**

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Address Line 1: 21000 BROOKPARK ROAD

Address Line 2: 142-7

Address Line 4: CLEVELAND, OHIO 44135

ATTORNEY DOCKET NUMBER:	LEW 19725-1
NAME OF SUBMITTER:	ROBERT H. EARP, III
SIGNATURE:	/Robert H. Earp, III/
DATE SIGNED:	06/10/2021

#### **Total Attachments: 4**

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PATENT 506709290 REEL: 056504 FRAME: 0029

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PATENT REEL: 056504 FRAME: 0030

RECORDATION FORM COVER SHEET PATENTS ONLY				
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
Name of conveying party(ies)     Christopher DellaCorte, Fransua Thomas,     Malcolm K. Stanford	2. Name and address of receiving party(ies)  Name: United States of America, as represented by the Administrator of NASA  Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes No  3. Nature of conveyance/Execution Date(s):  Execution Date(s) 10/15/2018  Assignment Merger  Security Agreement Change of Name  Joint Research Agreement  Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  4. Application or patent number(s): This  A. Patent Application No.(s)  16/173,290  Additional numbers att	Street Address: _E Street, SW  City: Washington  State: DC  Country: USA			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			
Name: Robert H. Earp, III	7. Total fee (37 CFR 1.21(h) & 3.41) \$			
Internal Address: MS 142-7  Street Address: 21000 Brookpark Road	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)			
City: Cleveland	8. Payment Information			
State: OH Zip: 44135  Phone Number: (216) 433-3663  Docket Number: LEW 19725-1  Email Address: Robert.Earp@nasa.gov	Deposit Account Number Authorized UserName			
9. Signature: /Robert H. Earp, III/	06/10/2021			
Signature  Robert H. Earp, III  Name of Person Signing  Documents to be recorded (including cover shee	Total number of pages including cover sheet, attachments, and documents:  t) should be faxed to (571) 273-0140, or mailed to: f the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450			

PATENT

**REEL: 056504 FRAME: 0031** 



# Assignment to the Government (by Government Employee)

Title of Invention:	METHOD FOR MAKING SMALL DIAMETER NICKEL-TITANIUM METAL ALLOY BALL						
Inventor(s):	Christopher DellaCorte, Fransua Thomas, Malcolm K. Stanford						
NASA Case No.:	LEW 19725-1	Application No.*:	16/173,290	Filing Date*	10/29/2018		
	ties to this Assignmer fter Government), as						
WHEREAS, the ma	king of this Assignme	nt and Agreement is	in accordance with 3	7 CFR Part 501; a	nd		
	dersigned inventor(s) e above-entitled inven		on the date(s) indic	ated below, an app	lication for United		
<ol> <li>Assign to the America, its territori</li> </ol>	in consideration of a Government my (our es and possessions, a nuation or divisional a	r) full and exclusive ri and my (our) entire ri	ght in and to said in ght, title and interest	vention within the U in and to said appl			
accordance with 37 amended. If the Go country, in accordar nonexclusive, irrevo	nt to the Government CFR 501.9(d), includ vernment chooses no noe with 37 CFR 501.1 loable, royally-free lice is of such reservation	ing rights of priority u t to file an application 9(d), and such rights ense in the invention	nder the Internationa in any foreign coun will be subject to the with power to grant I	al Convention of Pa try, I (we) may requ reservation to the icenses for all gove	iris (1883), as lest rights in that Government of a immental		
information to, and	expense of the Gove (c) to cooperate in an by this Assignment ar	y manner with the Go					
*4. Authorize an aboye when require	id request the attorne	ys of record in the ap	plication to insert the	application number	er and filing date		
(Signature of Invento	/1	(D)	ate Assignment Execu	ted) (Date Appli	cation Executed)		
Christopher DellaC			h Road, Medina, Ol	45 44 44	The state of the s		
Cinventor's Typed Na			ress - Including Countr		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
			w	(a.a) Chan Anna	ication Executed)		
(Signature of Invento	V.	(82	ate Assignment Execu	iso) (nale yhbii	eanon executed)		
Fransua Thomas (Inventor's Typed Nai	me)	(Mailing Add	ress - Including Countr	v)	***************************************		
(Signature of Invento	<u></u> 9		ate Assignment Execu	ted) (Date Appli	cation Executed)		
Malcolm K. Stanfo	rd .						
(Inventor's Typed Na		(Mailing Add	ress - Including Countr	γ)			

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# Assignment to the Government (by Government Employee)

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Title of Invention:	METHOD FOR MAKING SMALL DIAMETER NICKEL-TITANIUM METAL ALLOY BALL						
Inventor(s):	Christopher DellaCorte, Fransua Thomas, Malcolm K. Stanford						
NASA Case No.:	LEW 19725-1	Application No.*:	16/173,290	Filing Date*:	10/29/2018		
WHEREAS, the parti Government (hereaft Administration;	ies to this Assignme er Government), as	ent and Agreement are a represented by the A	the undersigned invediged the Na	entor(s) and the U itional Aeronautic	nited States s and Space		
WHEREAS, the mak	ing of this Assignm	ent and Agreement is	in accordance with 37	CFR Part 501; a	nd		
WHEREAS, the unde States Patent on the	ersigned inventor(s) above-entitled inve	has (have) executed, ntion.	on the date(s) indicat	ed below, an app	lication for United		
Assign to the (     America, its territorie)	Bovernment my (ou s and possessions,	employment by the Gi ir) full and exclusive ri and my (our) entire riç application(s) and any	ght in and to said inve tht, title and interest in	ntion within the U	nited States of cation, and any		
accordance with 37 C amended. If the Gove country, in accordanc nonexclusive, irrevoca	FR 501.9(d), includernment chooses no e with 37 CFR 501. able, royalty-free lic	t my (our) full and excl ting rights of priority ur of to file an application 9(d), and such rights v ense in the invention v will appear, where pra	nder the international in any foreign country will be subject to the revisit power to grant for	Convention of Pa /. I (we) may require to the least to t	ris (1883), as est rights in that Government of a		
interest transferred by  *4. Authorize and	to cooperate in an this Assignment ar	ernment, (a) to execute y manner with the Gov nd Agreement. ys of record in the app	ernment in order to a	llow the Governm	ent to protect any		
above when required.							
(Signature of Inventor) Christopher DellaCor	to 🔨	(Da	te Assignment Executed	) (Date Applic	ation Executed)		
(Inventor's Typed Name		(Mailing Addre	ess - including Country)				
(Signature of Inventor) Fransua Thomas	,	(Dal	e Assignment Executed	Date Applic	ation Executed)		
(Inventor's Typed Name)	)	(Mailing Addre	ss - Including Country)		***************************************		
(Signature of Inventor)		(Oat	e Assignment Executed)	(Date Applic	ation Executed)		
Malcolm K. Stanford (Inventor's Typed Name)		***************************************	šš - Includina Cauntryl				

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PATENT REEL: 056504 FRAME: 0033



# Assignment to the Government (by Government Employee)

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Title of Invention:	METHOD FOR MAKING SMALL DIAMETER NICKEL-TITANIUM METAL ALLOY BALL						
Inventor(s):	Christopher DellaCorte, Fransua Thomas, Malcolm K. Stanford						
NASA Case No.:	LEW 19725-1	Application No.*:	16/173,290	Filing Date*:	10/29/2018		
			the undersigned inve dministrator of the Na				
WHEREAS, the mak	ing of this Assignmen	nt and Agreement is	in accordance with 37	CFR Part 501; a	nď		
WHEREAS, the unde States Patent on the	ersigned inventor(s) h above-entitled invent	as (have) executed, ion.	on the date(s) indicat	ed below, an app	lication for United		
Assign to the America, its territorie	Government my (our) s and possessions, a	full and exclusive none of the firm of the	overnment, the under ght in and to said inve ght, title and interest in patent(s) that may is	ention within the U r and to said appl	nited States of ication, and any		
accordance with 37 ( amended. If the Gove country, in accordance nonexclusive, irrevoc	CFR 501.9(d), includir ernment chooses not be with 37 CFR 501.9 able, royalty-free lice	ng rights of priority un to file an application (d), and such rights nse in the invention	usive foreign rights in nder the International in any foreign country will be subject to the r with power to grant lic acticable, in any foreig	Convention of Pa y, I (we) may requ eservation to the enses for all gove	ris (1883), as lest rights in that Government of a ernmental		
Agree, at the cinformation to, and (cinformation to, and (cinformation to)	) to cooperate in any	manner with the Go	e any document for, ( vernment in order to a	b) to deliver any r allow the Governn	equested tent to protect any		
*4. Authorize and above when required		s of record in the app	olication to insert the a	application numbe	r and filing date		
(Signature of Inventor)	***************************************	(De	ate Assignment Executer	d) (Date Appli	cation Executed)		
Christopher DellaCo (Inventor's Typed Name		(Mailing Addr	ess - Including Country)				
(Signature of Inventor)		/Da	nte Assignment Executed	f) (Date Appli	cation Executed)		
Fransua Thomas		14.0		y (was rough	anor Excouncey		
(Inventor's Typed Name	<del>s</del> )	(Mailing Addr	ess - Including Country)		***************************************		
Marco_L/Q							
(Signature of Inventor)	/		ite Assignment Executed		cation Executed)		
Malcolm K. Stanford			624 FRI FORWA	<sup>2</sup> 2rk, OH 44	12-6 4-5 A.		
(Inventor's Typed Name	5)	(Mailing Addn	ess - Including Country)				

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PATENT REEL: 056504 FRAME: 0034