PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6900364

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHANHO LEE	07/16/2020
CARL D. LUNDIN	07/17/2020
JOHN WILLIAM BOHLING	07/17/2020
XUESONG FAN	07/16/2020
PEIYONG CHEN	07/22/2020
PETER LIAW	08/21/2020

RECEIVING PARTY DATA

Name:	UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION
Street Address:	600 HENLEY STREET, SUITE 211
City:	KNOXVILLE
State/Country:	TENNESSEE
Postal Code:	37996

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17184155

CORRESPONDENCE DATA

Fax Number: (202)857-6395

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: 2028576000

Email: patentdocket@arentfox.com

Correspondent Name: ARENT FOX LLP Address Line 1: 1717 K STREET, NW

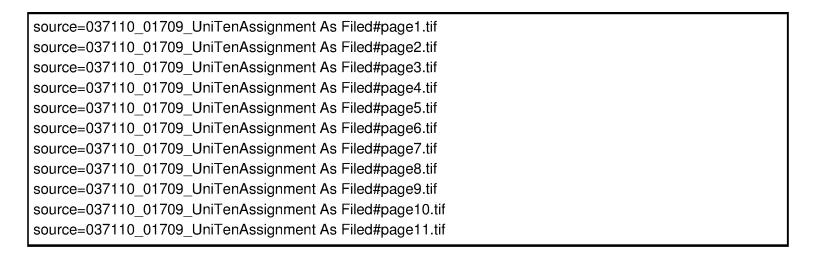
Address Line 4: WASHINGTON, D.C. 20006-5344

ATTORNEY DOCKET NUMBER:	037110.01709
NAME OF SUBMITTER:	JULIANA HAYDOUTOVA
SIGNATURE:	/JULIANA HAYDOUTOVA/
DATE SIGNED:	09/03/2021

Total Attachments: 11

PATENT REEL: 057382 FRAME: 0331

506853543



WORLDWIDE ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00 US), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

	paid to the undersigned inventor(s) (hereinafter AS	SSIGNOR) by		
[Insert	UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION			
ASSIGNEE's Name(s) and	600	HENLEY STREET		
Address(es)]		SUITE 211 ville, TN 37996 USA		
	Kilox	viiie, 11\ 3/990 USA		
	(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR agrees to and hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention titled			
[Title of Invention]	MULTI COMPONENT SOLI	D SOLUTION HIGH	I-ENTROPY ALLO	YS
[*If the assignment is being filed	for which application for Letters Patent of the United States was executed on even date herewith unless other indicated below:			
after the filing of the application, this section must	filed on February 24, 2020	Serial No.:	62/980911	
be completed]	(Arent Fox LLP is hereby authorized to insert the se	eries code, serial number and	or filing date, when known	1)
	and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, divisional, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other applications claiming priority thereto, including future inventions or improvements, for the full term or terms for which the same may be granted.			
	The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, continuation-in-part, reissue or reexamination applications thereof and any other applications claiming priority thereto, including future inventions or improvements, also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.			
	The ASSIGNOR agrees to execute all parother legal proceeding which may be declared continuation-in-part, reissue or reexamination the other applications claiming priority thereto, includ ASSIGNEE in every way possible in obtaining litigation, or other legal proceeding.	I concerning this app creof or Letters Patent ling future inventions o	olication or any con or reissue patent isso or improvements, and	tinuation, divisional, ued thereon, and any to cooperate with the
	IN WITNESS WHEREOF, the undersign	ed inventor(s) has (hav	e) affixed his/her/thei	r signature(s).
[Signature(s) of Assignor(s)]		Peivong	CHEN	
	(SIGNATURE)	(TYPE N		(DATE)
	Chanlasta	Cl l		07/16/2020
	(SIGNATURE)	Chanho (TYPE N		(DATE)
	(6161.111612)	(()
	(CICNIA TUDE)	Xuesong		
	(SIGNATURE)	(TYPE N	IAME)	(DATE)
		John William	BOHLING	
	(SIGNATURE)	(TYPE N		(DATE)

(SIGNATURE)

PATENT REEL: 057382 FRAME: 0333

(DATE)

Carl D LUNDIN

	Peter LIAW	
(SIGNATURE)	(TYPE NAME)	

WORLDWIDE ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1,00 US), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert	UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION				
ASSIGNEE's Name(s) and	600 HENLEY STREET				
Address(es)]	SUITE 211				
	Knox	ville, TN 37996 USA			
×	(hereinafter ASSIGNEE), the receipt of which is hereby sells, assigns and transfers to ASSIGNEE to sue for past infringement, if any, and all rights p	the entire and exclusive right, title an	d interest, including the right		
[Title of Invention]	MULTI COMPONENT SOLID SOLUTION HIGH-ENTROPY ALLOYS				
[*If the assignment is being filed after the filing of	indicated pelow:				
the application, this section must	filed on February 24, 2020	Serial No.: 62/980911			
be completed]	(Arent Fox LLP is hereby suthorized to insert the se	ries code, serial number and/or filing date, wh	en known)		
• •	and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, divisional, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other applications claiming priority thereto, including future inventions or improvements, for the full term or terms for which the same may be granted.				
	The ASSIGNOR agrees to execute all pa divisional, continuation-in-part, reissue or reexan priority thereto, including future inventions or in with such applications as the ASSIGNEE may dee	nination applications thereof and any aprovements, also to execute separat	other applications claiming		
	The ASSIGNOR agrees to execute all pother legal proceeding which may be declared continuation-in-part, reissue or reexamination the other applications claiming priority thereto, include ASSIGNEE in every way possible in obtaining litigation, or other legal proceeding.	I concerning this application or a areof or Letters Patent or reissue pa- ling future inventions or improvemen	ny continuation, divisional, tent issued thereon, and any its, and to cooperate with the		
	IN WITNESS WHEREOF, the undersign	ed inventor(s) has (have) affixed his/	her/their signature(s).		
(Signature(s)					
of Assignor(s)]		Pelyong CHEN			
	(SIGNATURE)	(TYPE NAME)	(DATE)		
		Chanho LEE			
	(SIGNATURE)	(TYPE NAME)	(DATE)		
		Vancous Ed N			
• •	(SIGNATURE)	Xuesong FAN (TYPE NAME)	(DATE)		
			•		
	(SIGNATURE) /	John William BOHLING (TYPE NAME)			
	(SIOMATURE)		ፈንን ለ <i>ሚ</i> ሞንተ		
		(I TE NAME)	(DATE)		
	(SIGNATURE)	Carl D LUNDIN (TYPE NAME)			

WORLDWIDE ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00 US), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

	para to the undersi	gnea mventor(s) (neremaner	ABBIGNOR) by		
[Insert	UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION				
ASSIGNEE's Name(s) and		6	00 HENLEY STREET		
Address(es)]			SUITE 211		
		Kn	oxville, TN 37996 USA		
	hereby sells, assign	GNEE), the receipt of which ns and transfers to ASSIGNE ingement, if any, and all right	E the entire and exclusi	ve right, title and in	terest, including the right
[Title of Invention]		MULTI COMPONENT SO	OLID SOLUTION HIG	H-ENTROPY AL	LOYS
[*If the assignment is being filed after the filing of	for which applicate indicated below:	ion for Letters Patent of the	United States was execu	uted on even date h	erewith unless otherwise
the application,	filed on	February 24, 2020	Serial No.:	62/980911	
this section must be completed]	(Arent Fox 1	LLP is hereby authorized to insert th	e series code, serial number ar	nd/or filing date, when kr	nown)
	and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, divisional, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other applications claiming priority thereto, including future inventions or improvements, for the full term or terms for which the same may be granted.				part, renewal, substitute,
	The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, continuation-in-part, reissue or reexamination applications thereof and any other applications claiming priority thereto, including future inventions or improvements, also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.				
	other legal proced continuation-in-part other applications of ASSIGNEE in ever litigation, or other	IGNOR agrees to execute all eding which may be declar, reissue or reexamination claiming priority thereto, incery way possible in obtaining legal proceeding. ESS WHEREOF, the unders:	ared concerning this at thereof or Letters Pater luding future inventions and producing evide	oplication or any nt or reissue patent or improvements, a nce and proceeding	continuation, divisional, issued thereon, and any and to cooperate with the with such interference,
	114 441114	ESS WILEKEST, the unders	igned inventor(s) has the	ive) armized misiner	men signature(s).
[Signature(s)					
of Assignor(s)]	/CT			g CHEN	(T) 4 (TE)
	(510	GNATURE)	(TYPE	NAME)	(DATE)
			Chanl	no LEE	
	(SIG	GNATURE)	(TYPE	NAME)	(DATE)
			₹7	T . N	
	/01/	GNATURE)		ng FAN NAME)	(DATE)
	(30)	arrest Whitej	(1111	TATAINTE	, ,
	Joh	n Bolling		m BOHLING	7/17/2020
	U (SI	GNATURE)	(TYPE	NAME)	(DATE)
	Corl D LUNDIN				

(SIGNATURE)

PATENT REEL: 057382 FRAME: 0336

(DATE)

	Peter LIAW	
(SIGNATURE)	(TYPE NAME)	

WORLDWIDE ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00 US), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

	paid to the undersigned inventor(s) (hereinaft	er ASSIGNOR) by		
[Insert	UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION			
ASSIGNEE's Name(s) and		600 HENLEY STREET		
Address(es)]		SUITE 211 Knoxville, TN 37996 USA		
		MIOAVIIIE, TN 37990 USA		
	(hereinafter ASSIGNEE), the receipt of which hereby sells, assigns and transfers to ASSIGNED to sue for past infringement, if any, and all rights to such that the self-self-self-self-self-self-self-self-	NEE the entire and exclusive rig	ht, title and interest, including the right	
[Title of Invention]	MULTI COMPONENT	SOLID SOLUTION HIGH-EN	NTROPY ALLOYS	
[*If the assignment is being filed				
after the filing of the application, this section must	filed on February 24, 2020	Serial No.: <u>62</u> /	980911	
be completed]	(Arent Fox LLP is hereby authorized to inser	the series code, serial number and/or fi	ling date, when known)	
	and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, divisional, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other applications claiming priority thereto, including future inventions or improvements, for the full term or terms for which the same may be granted.			
	The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, continuation-in-part, reissue or reexamination applications thereof and any other applications claiming priority thereto, including future inventions or improvements, also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.			
	The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, continuation-in-part, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon, and any other applications claiming priority thereto, including future inventions or improvements, and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.			
	IN WITNESS WHEREOF, the under	ersigned inventor(s) has (have) a	ffixed his/her/their signature(s).	
[Signature(s) of Assignor(s)]		Peiyong CH	EN	
	(SIGNATURE)	(TYPE NAM		
		A	_	
	(SIGNATURE)	Chanho LE (TYPE NAM		
	(SIGNATURE)	(TITE NAIV	(DATE)	
	Aug L	Xuesong FA	an <u>07/16/2020</u>	
	(SIGNATURE)	(TYPE NAM	(DATE)	
		John William BO	HI INC	
	(SIGNATURE)			
	/	\	,	

(SIGNATURE)

PATENT REEL: 057382 FRAME: 0338

(DATE)

Carl D LUNDIN

	Peter LIAW	
(SIGNATURE)	(TYPE NAME)	

WORLDWIDE ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00 US), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

	paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by					
[Insert	UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION					
ASSIGNEE's Name(s) and	600 HENLEY STREET					
Address(es)]	SUITE 211					
	Knoxville, TN 37996 USA					
	(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR agrees to and hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention titled					
[Title of Invention]	MULTI COMPONENT SOLID SOLUTION HIGH-ENTROPY ALLOYS					
[*If the assignment is being filed after the filing of the application, this section must be completed]	for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:					
	filed on February 24, 2020	Serial No.:	62/980911			
			dian filing data when know	m)		
	(Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date, when known)					
	and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, divisional, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other applications claiming priority thereto, including future inventions or improvements, for the full term or terms for which the same may be granted.					
	The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, continuation-in-part, reissue or reexamination applications thereof and any other applications claiming priority thereto, including future inventions or improvements, also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.					
	The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, continuation-in-part, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon, and any other applications claiming priority thereto, including future inventions or improvements, and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.					
	IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).					
[Signature(s) of Assignor(s)]	12/99(Jen	Pešvong	CHEN	7/22/1010		
	(SIGNATURE)	(TYPE)	<u>'</u>	(DATE)		
		CI. I	TDE			
	(SIGNATURE)	Chanh (TYPE I		(DATE)		
	(Signational)	(1112)	1211112)	(27112)		
		Xueson				
	(SIGNATURE)	(TYPE)	NAME)	(DATE)		
	John William BOHLING					
	(SIGNATURE)	(TYPE)		(DATE)		
		Carl D I	UNDIN			
		Cari D L	MISTRICA			

(SIGNATURE)

PATENT REEL: 057382 FRAME: 0340

(DATE)

	Peter LIAW	
(SIGNATURE)	(TYPE NAME)	

WORLDWIDE ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00 US), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

	paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by					
[Insert	UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION					
ASSIGNEE's Name(s) and	600 HENLEY STREET					
Address(es)]	SUITE 211 Knoxville, TN 37996 USA					
	Kiloxviiie, 1N 3/990 USA					
	(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, inch to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention titled					
[Title of Invention]	MULTI COMPONENT SOLID SOLUTION HIGH-ENTROPY ALLOYS					
[*If the assignment is being filed after the filing of the application, this section must be completed]	for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:					
	filed on February 24, 2020	Serial No.:	62/980911			
	(Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date, when known)					
	and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, divisional, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other applications claiming priority thereto, including future inventions or improvements, for the full term or terms for which the same may be granted.					
	The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, continuation-in-part, reissue or reexamination applications thereof and any other applications claiming priority thereto, including future inventions or improvements, also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.					
	rence, litigation, or nuation, divisional, d thereon, and any cooperate with the a such interference,					
	IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).					
[Signature(s) of Assignor(s)]		Peiyong	CHEN			
	(SIGNATURE)	(TYPE N		(DATE)		
		6 1				
	(SIGNATURE)	Chanho (TYPE N		(DATE)		
	(SIGNATURE)	(IIII)	(AME)	(DATE)		
		Xuesons				
	(SIGNATURE)	(TYPE N	IAME)	(DATE)		
	John William BOHLING					
	(SIGNATURE)	(TYPE N		(DATE)		
	·/	\	/	,,		

(SIGNATURE)

PATENT REEL: 057382 FRAME: 0342

(DATE)

Carl D LUNDIN

 Peter K Liaw
 Peter LIAW
 8-21-2020

 (SIGNATURE)
 (TYPE NAME)

PATENT REEL: 057382 FRAME: 0343

RECORDED: 09/03/2021