506827553 08/19/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6874373

		NEW ASSIGNMENT		
NATURE OF CONVEYAN	CE:	ASSIGNMENT		
CONVEYING PARTY DA	TA			
		Name		Execution Date
CHUNXI ZHANG			06/16/2021	
JINGMING SONG				06/16/2021
NINGFANG SONG				06/16/2021
ZHIYU GUO				06/16/2021
ZUCHEN ZHANG				06/16/2021
YAN LI				06/16/2021
RECEIVING PARTY DAT	ГА			
Name:	BEIHAN	IG UNIVERSITY		
Street Address:	NO. 37,	XUEYUAN ROAD, HAIDIAN DIS	TRICT	
City:	BEIJING			
State/Country:	CHINA			
Postal Code:	100191			
PROPERTY NUMBERS	Total: 1			
Property Type		Number		
		Number 17406945		
Property Type				
Property Type Application Number: CORRESPONDENCE DA	ATA			
Property Type Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i>	ATA (e sent to	17406945 206)374-2899 the e-mail address first; if that		
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Property Type Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email:	ATA e sent to provided i	17406945 206)374-2899 <i>the e-mail address first; if that</i> <i>; if that is unsuccessful, it will b</i> 206-372-3162 nfo@pailaw.com		
Property Type Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA e sent to rovided i	206)374-2899 the e-mail address first; if that ; if that is unsuccessful, it will b 206-372-3162 nfo@pailaw.com CHAO-CHANG DAVID PAI 3019 NE 127TH ST. P. O. BOX 25750		
Property Type Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	ATA e sent to rovided i	206)374-2899 the e-mail address first; if that ; if that is unsuccessful, it will b 206-372-3162 nfo@pailaw.com CHAO-CHANG DAVID PAI 3019 NE 127TH ST.		
Property Type Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	ATA e sent to rovided i	206)374-2899 the e-mail address first; if that ; if that is unsuccessful, it will b 206-372-3162 nfo@pailaw.com CHAO-CHANG DAVID PAI 3019 NE 127TH ST. P. O. BOX 25750		
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Property Type Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	ATA e sent to rovided i	206)374-2899 <i>the e-mail address first; if that</i> <i>; if that is unsuccessful, it will b</i> 206-372-3162 nfo@pailaw.com CHAO-CHANG DAVID PAI 8019 NE 127TH ST. P. O. BOX 25750 SEATTLE, WASHINGTON 98165 IP141517		

Total Attachments: 6	
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source=Assignment#page6.tif	

ASSIGNMENT OF APP	LICATION	Docket Number	
		IP141517	
Whereas, I/We, Chunxi Zhang of Beijing, China bereatter			
referred to as inventor(s), have invented ANTI-TORSION SOLID-CORE POLARIZATION M OF STRESS DISTRIBUTION	certain new and useful INTAINING PHOTONIC CRYST	Improvements in TAL FIBER BASED ON ANISOTROPY	
G for which an application for a Unite	d States Patent was file	ed on under	
Application No,	which is an application	m entering the National Stage	
under 35 U.S.C. 371 of		filed	
\mathscr{X} for which an application for a United	States Patent was execu	ned on $2 + 21 - 6 - 16$, and	
Whereas, Beihang University	of Beijin	ng, China , herein	
referred to as "assignee", whose mailing	address is No. 37, Xue	yuan Road, Haidian District	
Beijing 100191, China	, is desirous of acquirin	ng the entire right, title and	
interest in the same;			
Now, therefore, in consideration of the sum of ten			
Executed this day of	TUNE	, 2021	
ai Beijing, China			
	C/149	piZhang	
	Chunx	i Zhang	
	Printe	sd Name	
Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.*			
Total of 6 forms are submitted.			

ASSIGNMENT OF APPLICATION	Docket Number IP141517			
	17741017			
Whereas, I/We, Jingming Song of Beijing, China , hereafter				
referred to as inventor(s), have invented certain new and useful improvements in ANTI-TORSION SOLID-CORE POLARIZATION MAINTAINING PHOTONIC CRYSTAL FIBER BASED ON ANISOTROPY OF STRESS DISTRIBUTION				
For which an application for a United States Patent was fil	ed on under			
Application No, which is an application	on entering the National Stage			
under 35 U.S.C. 371 of	_ filed			
I for which an application for a United States Patent was executed				
Whereas, Belhang University of Belji	ng, China , herein			
referred to as "assignee", whose mailing address is No. 37, Xue	yuan Road, Haidian District			
Beijing 100191, China, is desirous of acquiri				
interest in the same;				
Now, therefore, in consideration of the sum of ten dollars (\S_10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.				
Executed this 16th day of June				
atBeljing, China				
Jing ming Song Signature Jing ming Song Printed Name Note: Signatures of all the inventors or assignces of record of the entire interest or their representative(s) are				
required. Submit multiple forms if more than one signature is required. See helow,*				
² ⊘ Total of <u>6</u> forms are submitted.				

ASSIGNMENT OF APPL	ICATION	Docket Number		
		IP141517		
Whereas, I/We, Ningfang Song	of Beijing	China , hereafter		
referred to as inventor(s), have invented (ANT-TORSION SOLID-CORE POLARIZATION-MAI OF STRESS DISTRIBUTION	certain new and useful NTAINING PHOTONIC CRYS	improvements in FAL FIBER BASED ON ANISOTROPY		
of for which an application for a United	l States Patent was fil	ed on under		
Application No	which is an application	on entering the National Stage		
under 35 U.S.C. 371 of		filed		
\mathscr{D} for which an application for a United S	States Patent was exect	ited on $201 - 6 - ib$, and		
Whereas, Beihang University	of <u>Beiji</u>	ng, China , herein		
referred to as "assignee", whose mailing	address is No. 37, Xue	yuan Road, Haidian District		
Beijing 100191, China				
interest in the same;				
Now, therefore, in consideration of the sum of ten dollars (\$ 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.				
		2021		
Executed this <u>16-th</u> day of <u>June</u> , 2021 at Beijing, China				
Note: Signatures of all the inventors or assignce	Ning Prin	fang Song matuk ang Song ted Name rest or their representative(s) are		
required. Submit multiple forms if more than on	e signature is required. See	besow.*		
Total of <u>6</u> forms are submitted.				

ASSIGNMENT OF API	LICATION	Docket Number IP141517	
Whereas, I/We, Zhiyu Guo	of Beijing.	China	hereafter
referred to as inventor(s), have invente ANTI-TORSION SOLID-CORE POLARIZATION & OF STRESS DISTRIBUTION	d certain new and useful MINTAINING PHOTONIC CRYST	Improvements in TAL FIBER BASED ON AMS	OTROPY
in for which an application for a Unit	ed States Patent was file	ed on	under
Application No.	, which is an applicatio	n entering the Natio	nal Stape
under 35 U.S.C. 371 of	• •	filed	
I for which an application for a United			
Whereas, Beihang University			
referred to as "assignee", whose mailing	g address is <u>No. 37, Xuey</u>	ruan Road, Haidian Di	strict
Beijing 100191, China		g the entire right, title	and
interest in the same;			
Now, therefore, in consideration of the s is acknowledged, and other good and ve presents do sell, assign and transfer unto invention in the United States and the er Patents which may be granted therefor i the Director of the U.S. Patent and Trad said assignee, of the entire right, title, ar behoof; and for the use and behoof of hi which said Patent(s) may be granted, as me/us had this assignment and sale not b Executed this $1/2$ th day of at Beijing, China	Huable consideration, I/W said assignee the full an ttire right, title and intere in the United States, I/We emark Office to issue sai- ind interest in and to the sa s legal representatives, to fully and entirely as the s meen made.	/e, the applicant(s), by d exclusive right to sa st in and to any and a hereby authorize and d United States Paten ame, for his sole use a the full end of the ter ame would have beer	y these aid I request I(s) IO nd
	<u>Z hi yu</u> Signa Zhiyu G	ture	
	Printed	Name	
Note: Signatures of all the inventors or assignees required. Submit multiple forms if more than one	of record of the entire interest signature is required. See belo	or their representative(s)	are
77 Total of 6 forms are submitted.			

			Docket Number	
ASSIGNMENT OF APPL	ACATION		IP141517	
Whereas, I/We, Zuchen Zhang	of _	Beijing,	China	, bereafter
referred to as inventor(s), have invented i ANTI-TORSION SOLID-CORE POLARIZATION-MAI OF STRESS DISTRIBUTION	certain new al	nd useful DNIC CRYST	Improvements in AL FIBER BASED ON	ANISOTROPY
T for which an application for a United	l States Pater	nt was file	ed on	under
Application No.				
under 35 U.S.C. 371 of			filed	¢
2 for which an application for a United S	States Patent v	was execu	ted on <u>2527-7</u>	<u>5//5</u> , and
Whereas, Beihang University	ە	r <u>Beiji</u> r	ng, China	, herein
referred to as "assignee", whose mailing	address is <u>N</u> t	5. 37, Xua	yuan Road, Haidi	an District
Beijing 100191, China	, is destrous c	of acquirin	ng the entire right	, title and
interest in the same;				
is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.				
Executed this day of	Junal		2021	
at : Beijing, China			·	
····	·····	*		
	د	Brehen	they ature	
		Sign	ature 🧷	
		Zuche	n Zhang	
		Printe	d Name	
Note: Signatures of all the inventors or assignees required. Submit multiple forms if more than one	of record of the signature is requ	entire intere uired, See b	st or their represents clow.*	uive(s) are
Total of 6 forms are submitted.				

ASSIGNMENT OF APPLICATION	Docket Number IP141517		
Whereas, I/We, Yan Li of Bei	jing, China hereafter		
referred to as inventor(s), have invented certain new and us ANTI-TORSION SOLID-CORE POLARIZATION-MAINTAINING PHOTONIC C OF STRESS DISTRIBUTION	eful improvements in Rystal fiber based on anisotropy		
G for which an application for a United States Patent was	s filed on inder		
Application No, which is an applia	cation entering the National Stage		
under 35 U.S.C. 371 of	filed		
$\mathscr X$ for which an application for a United States Patent was ex			
Whereas,			
referred to as "assignee", whose mailing address is No. 37,	Xueyuan Road, Haidian District		
Beijing 100191, China , is desirous of acq	uiring the entire right, title and		
interest in the same;			
Now, therefore, in consideration of the sum of ten dollars (\underline{S} 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.			
Executed thisbth day oflune			
atBeijing, China			
	in Li Signature		
Yar Pr	1 Li inted Name		
Note: Signatures of all the inventors or assignces of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.*			
Total of 6 forms are submitted.			