### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8321270

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WENRUI DAI	03/09/2023
YANGMEI SHEN	03/09/2023
CHENGLIN LI	03/09/2023
JUNNI ZOU	03/09/2023
HONGKAI XIONG	03/09/2023

#### RECEIVING PARTY DATA

Name:	SHANGHAI JIAO TONG UNIVERSITY
Street Address:	NO. 800, DONGCHUAN RD., MINHANG DISTRICT
City:	SHANGHAI
State/Country:	CHINA
Postal Code:	200240

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

Property Type	Number
Application Number:	18182401

#### **CORRESPONDENCE DATA**

Fax Number:

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: 0909 436 5796
Email: jorlan@winstonip.cn
Correspondent Name: TRUE SHEPHERD, LLC

Address Line 1:516N. DIAMOND BAR BLVD., #310Address Line 4:DIAMOND BAR, CALIFORNIA 91765

ATTORNEY DOCKET NUMBER:	XHY2201NUS
NAME OF SUBMITTER:	ANDREW C. CHENG
SIGNATURE: /Andrew C. Cheng, Reg. No. 60891/	
DATE SIGNED:	12/10/2023

**Total Attachments: 5** 

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PATENT REEL: 065822 FRAME: 0208

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> PATENT REEL: 065822 FRAME: 0209

Attorney Docket Number	XHY2201NUS	
Title of Invention	3D POINT CLOUD COMPRESSION SYSTEM BASED O DICTIONARY LEARNING	N MULTI-SCALE STRUCTURED
	s, I believe that I am the original inventor or an original joint invent the application identified by the title above.	or (referred to as ASSIGNOR below) of a claimed
WHEREAS	SHANGHAI JIAO TONG UNIVERS	SITY
having a po	ostal address of No. 800, Dongchuan Rd., Minhang Distric	ct, Shanghai 200240, China
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, an	d interest in and to the same in the United States;
ASSIGNOF said invent division, co	W, THEREFORE, for good and valuable consideration, the receip R, by these presents does sell, assign and transfer unto ASS tion and application throughout the United States of America intinuation, continuation-in-part, reexamination, and reissue of said tal examination thereof.	IGNEE, the entire right, title, and interest in and to a, including any and all patents granted on any
prosecution additional d further cons communica ASSIGNOF be required encompass	SIGNOR hereby agrees to execute any documents that legally ment and maintenance of said application or any other patent application or any other patent application. Assignor, also agrees, without further consideration ate to Assignee at Assignee's request documents and information of the prosession or control, and to provide further assurances and it of Assignor in respect of the prosecution, maintenance and dised within the terms of this instrument. Assignor's obligations of the prosecution and instruments administrators and other legal representatives.	tions in the United States for said invention, including in and to said invention and application, all without and at ASSIGNEE's expense, to identify and ation concerning the invention that are within testimony on behalf of ASSIGNEE that lawfully may defense of any patent application or patent
referred to use and be which such	SIGNOR hereby authorizes and requests the Commissioner of Pa above to ASSIGNEE, as the ASSIGNEE of the entire right, title a hoof; and for the use and behoof of ASSIGNEE's legal represent patent may be granted, as fully and entirely as the same would hot been made.	nd interest in and to the same, for ASSIGNEE's sole atives and successors, to the full end of the term for
	SIGNOR authorizes Practitioners associated with the Customer Nument needed to effect its recordal in the U.S. Patent and Tradem	
LEGAL N	AME OF ASSIGNOR	
Assignor:	Wenrui DAI	Date: 03/09/2023
Signature	: /Wenrui DAI/	
Oignature	•	

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Attorney Docket Number	XHY2201NUS	;		
Title of Invention	3D POINT CLOU DICTIONARY LE		SED ON MULTI-SCALE STRUCTURED	
		the original inventor or an original joint tified by the title above.	t inventor (referred to as ASSIGNOR below) of a cl	aimed
WHEREAS	ξ,	SHANGHAI JIAO TONG UNIV	VERSITY	
having a po	ostal address of	lo. 800, Dongchuan Rd., Minhang	District, Shanghai 200240, China	
(referred to	as ASSIGNEE belo	w) desires to acquire the entire right, ti	itle, and interest in and to the same in the United S	tates;
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof.				
ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.				
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.				
			omer Number 191,461 to insert or complete any in Frademark Office and to record the same.	formation
LEGAL N	AME OF ASSIGNOR	र		
Assignor:	Yangmei SHEI	N	Date: 03/09/2023	
Signature	. ∕Yangmei SHI	EN/		

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Attorney Docket Number	XHY2201NUS	
Title of Invention	3D POINT CLOUD COMPRESSION SYSTEM BASED OF DICTIONARY LEARNING	N MULTI-SCALE STRUCTURED
	S, I believe that I am the original inventor or an original joint inventon the application identified by the title above.	or (referred to as ASSIGNOR below) of a claimed
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having a po	ostal address of No. 800, Dongchuan Rd., Minhang Distric	et, Shanghai 200240, China
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, and	d interest in and to the same in the United States;
ASSIGNOF said invent division, co	bW, THEREFORE, for good and valuable consideration, the receip R, by these presents does sell, assign and transfer unto ASSI tion and application throughout the United States of America ontinuation, continuation-in-part, reexamination, and reissue of said tal examination thereof.	GNEE, the entire right, title, and interest in and to including any and all patents granted on any
prosecution additional d further cons communica ASSIGNOF be required encompass	SIGNOR hereby agrees to execute any documents that legally mand maintenance of said application or any other patent applicated cocuments that may be required to affirm the rights of ASSIGNEE sideration. ASSIGNOR also agrees, without further consideration ate to ASSIGNEE at ASSIGNEE's request documents and informate to ASSIGNOR and to provide further assurances and to do fassignor in respect of the prosecution, maintenance and dised within the terms of this instrument. ASSIGNOR's obligations unutors, administrators and other legal representatives.	ions in the United States for said invention, including in and to said invention and application, all without and at ASSIGNEE's expense, to identify and ation concerning the invention that are within estimony on behalf of ASSIGNEE that lawfully may efense of any patent application or patent
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	SIGNOR authorizes Practitioners associated with the Customer N ument needed to effect its recordal in the U.S. Patent and Tradem	
LEGAL N	AME OF ASSIGNOR	
Assignor:	Chenglin LI	Date: 03/09/2023
Signature	: /Chenglin LI/	

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Attorney Docket Number	XHY2201NUS	
Title of Invention	3D POINT CLOUD COMPRESSION SYSTEM BASED ON MULTI-SCALE STRUCTURED DICTIONARY LEARNING	
	AS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) in the application identified by the title above.	of a claimed
WHEREAS	SHANGHAI JIAO TONG UNIVERSITY	
having a po	postal address of No. 800, Dongchuan Rd., Minhang District, Shanghai 200240, China	
(referred to	to as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the University	nited States;
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ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.		
	ASSIGNOR authorizes Practitioners associated with the Customer Number 191,461 to insert or complete ocument needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.	any information
LEGAL N	NAME OF ASSIGNOR	
Assignor:	Junni ZOU Date: 03/09/2023	
Signature	<sub>ire:</sub> /Junni ZOU/	

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Attorney Docket Number	XHY2201NUS	
Title of Invention	3D POINT CLOUD COMPRESSION SYSTEM BASED OF DICTIONARY LEARNING	N MULTI-SCALE STRUCTURED
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prosecution additional d further cons communica ASSIGNOF be required encompass	SIGNOR hereby agrees to execute any documents that legally ments and maintenance of said application or any other patent application or any other patent application. Assignor, also agrees, without further consideration at the total Assignor and the terms of this instrument. Assignor's obligations and the total Assignor and other legal representatives.	tions in the United States for said invention, including in and to said invention and application, all without and at ASSIGNEE's expense, to identify and ation concerning the invention that are within testimony on behalf of ASSIGNEE that lawfully may defense of any patent application or patent
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LEGAL N	IAME OF ASSIGNOR	
Assignor:	Hongkai XIONG	Date: 03/09/2023
<u>.</u>	/Hongkai XIONG/	

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