507340886 06/16/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7387808

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIHUA ZHU	03/09/2016
GARY J. SULLIVAN	03/22/2016
JIZHENG XU	03/09/2016
SRIDHAR SANKURATRI	03/10/2016
B. ANIL KUMAR	03/09/2016
FENG WU	03/09/2016

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC	
Street Address:	ONE MICROSOFT WAY	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17751392

CORRESPONDENCE DATA

Fax Number: (503)595-5301

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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KYLE B. RINEHART, KLARQUIST SPARKMAN, LLP **Correspondent Name:**

121 SW SALMON STREET, SUITE 1600 Address Line 1:

Address Line 2: ONE WORLD TRADE CENTER Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	3382-92343-15	
NAME OF SUBMITTER: KYLE B. RINEHART		
SIGNATURE:	/Kyle B. Rinehart/	
DATE SIGNED:	06/16/2022	

PATENT REEL: 060232 FRAME: 0144 507340886

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PATENT REEL: 060232 FRAME: 0145

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	PCT/CN2	on <u>January 3, 2014,</u> and w <u>1014/070072</u> by the State I Republic of China (RO/CN);	ntellectual Property Office of the
behalf of i	itself and its su of acquiring, the riority, in the IN	ccessors and assigns ("ASSI e entire and exclusive right IVENTION and the APPLICAT n, such as continuing appli	ington limited liability company, IGNEE"), is entitled to, and is s, title and interest, including th FION (and all other applications a cations, in whole or in part,in ar countries ("APPLICATION
		territories, and an roreign t	
for the Un DERIVATIV ASS to insert t	VES")); SIGNOR hereby he Application (authorizes, and requests, A	ASSIGNEE'S LEGAL REPRESENTATI Into the following table for any

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR'S entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries (APPLICATION DERIVATIVES));

	0409/2016
Inventor's Signature	Date
Lihua Zhu	
Printed Name in English	Printed Name in Native Language (if
	other than English)

I, Gary J. Sullivan ("ASS inventor of subject matter ("II application entitled "BLOCK V CODING/DECODING" ("APPLIC	NVENTION") disclosed ECTOR PREDICTION II		
legal represe Microsoft Wa REPRESENTAT and given Ap Office of the	ntatives, of Microsoft y, Redmond, Washing (IVES) to insert here ir plication No.	thorizes, and requests, ASSIC Technology Licensing, LLC, ton 98052 (ASSIGNEE'S LEGA n parentheses (filed on by the State Intellectual P China (RO/CN)) this APPLICA ffice, when known;	One AL Property
PCT/CN2014		was given Application No. Intellectual Property Office	of the
behalf of itself and its succes desirous of acquiring, the entright of priority, in the INVEN patents derived therefrom, sufor the United States, its terri DERIVATIVES")); ASSIGNOR hereby auth	sors and assigns ("AS: tire and exclusive righ TION and the APPLICA ach as continuing app tories, and all foreign orizes, and requests,	its, title and interest, includi ATION (and all other applicat lications, in whole or in part countries ("APPLICATION ASSIGNEE'S LEGAL REPRESEN	is ng the tions and tin and
to insert the Application No., APPLICATION DERIVATIVES af		e into the following table for	any
Application No.	Filing Date	Office	

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR'S entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries (APPLICATION DERIVATIVES));

AGADIC	March 22, 2016
Inventor's Signature	Date
Gary J. Sullivan	
Printed Name in English	Printed Name in Native Language (if
	other than English)

of subject matter ("INVEN"	TION") disclosed and/or c	nventor or an original joint invento daimed in a patent application D IMAGE CODING/DECODING"	•
legal repr Microsoft REPRESEN and given Office of t	esentatives, of Microsoft T Way, Redmond, Washingt TATIVES) to Insert here in Application No.	horizes, and requests, ASSIGNEE'S Technology Licensing, LLC, One ton 98052 (ASSIGNEE'S LEGAL parentheses (filed on, by the State Intellectual Property Thina (RO/CN)) this APPLICATION's fice, when known;	ŀ
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behalf of itself and its suc desirous of acquiring, the right of priority, in the IN\	cessors and assigns ("ASS entire and exclusive right ENTION and the APPLICA" , such as continuing appli	nington limited liability company, o SIGNEE"), is entitled to, and is ts, title and interest, including the TION (and all other applications an ications, in whole or in part,in and countries ("APPLICATION	ıd
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Application No.	Filing Date	Office	

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR'S entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries (APPLICATION DERIVATIVES));

Lix Every Xm	Mar 9, 2016
Inventor's Signature	Date
Jizheng Xu	许继征
Printed Name in English	Printed Name in Native Language (if other than English)

I, Sridhar Sankuratri ("ASS inventor of subject matter ("INVE application entitled "BLOCK VECTODING/DECODING" ("APPLICAT	ENTION") disclosed and/or FOR PREDICTION IN VIDEO	<u>-</u>
legal represental Microsoft Way, R REPRESENTATIVE and given Applic Office of the Peo	tives, of Microsoft Technol ledmond, Washington 980 ES) to insert here in parent cation No by th	52 (ASSIGNEE'S LEGAL heses (filed on, e State Intellectual Property O/CN)) this APPLICATION's
PCT/CN2014/07	uary 3, 2014, and was give <u>'0072</u> by the State Intellec c of China (RO/CN);	
Microsoft Technology Lice behalf of itself and its successor desirous of acquiring, the entire right of priority, in the INVENTIO patents derived therefrom, such for the United States, its territori DERIVATIVES"));	s and assigns ("ASSIGNEE" and exclusive rights, title IN and the APPLICATION (a as continuing applications	and interest, including the and all other applications and s, in whole or in part,in and
ASSIGNOR hereby authorized to insert the Application No., filing APPLICATION DERIVATIVES after	ng date, and Office into th	EE'S LEGAL REPRESENTATIVES e following table for any
Application No.	Filing Date	Office

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR'S entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries (APPLICATION DERIVATIVES));

5.5,2	3/10/16
Inventor's Signature	Date/
Sridhar Sankuratri	
Printed Name in English	Printed Name in Native Language (if other than English)

I, B. Anil Kumar ("ASSIGNO inventor of subject matter ("INVE application entitled "BLOCK VECT CODING/DECODING" ("APPLICAT	NTION") disclosed and/or	claimed in a patent
legal representat Microsoft Way, R REPRESENTATIVE and given Applic Office of the Peo	tives, of Microsoft Technol edmond, Washington 980 (S) to insert here in parent eation No by th	52 (ASSIGNEE'S LEGAL heses (filed on, e State Intellectual Property O/CN)) this APPLICATION's
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Microsoft Technology Lice behalf of itself and its successors desirous of acquiring, the entire right of priority, in the INVENTIO patents derived therefrom, such for the United States, its territori DERIVATIVES"));	s and assigns ("ASSIGNEE"; and exclusive rights, title N and the APPLICATION (a as continuing applications	and interest, including the and all other applications and s, in whole or in part,in and
ASSIGNOR hereby authorize to insert the Application No., filing APPLICATION DERIVATIVES after	ng date, and Office into th	EE'S LEGAL REPRESENTATIVES e following table for any
Application No.	Filing Date	Office

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	March 9,2016	
Inventor's Signature	Date	
B. Anil Kumar		
Printed Name in English	Printed Name in Native Language (if	
	other than English)	

I, Feng Wu ("ASSIGNOR"), a subject matter ("INVENTION") dis	-	r an original joint inventor of
"BLOCK VECTOR PREDICTION IN	·	
("APPLICATION"), which:	VIDEO AND IMAGE CODIN	d/ DECODING
will be filed. ASS legal representat Microsoft Way, R REPRESENTATIVE and given Applic Office of the Peo	tives, of Microsoft Technologic edmond, Washington 980 ES) to insert here in parent eation No by th	52 (ASSIGNEE'S LEGAL heses (filed on, e State Intellectual Property O/CN)) this APPLICATION's
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behalf of itself and its successors desirous of acquiring, the entire right of priority, in the INVENTIO patents derived therefrom, such for the United States, its territori DERIVATIVES"));	s and assigns ("ASSIGNEE", and exclusive rights, title N and the APPLICATION (a as continuing applications es, and all foreign countrizes, and requests, ASSIGN ag date, and Office into the	and interest, including the and all other applications and s, in whole or in part,in and es ("APPLICATION
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Application No.	Filing Date	Office

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hrfy	03/09/2016
Inventor's Signature	Date
Feng Wu	
Printed Name in English	Printed Name in Native Language (if
	other than English)