PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7183568

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIANCONG LUO	06/11/2007
LIHUA ZHU	05/25/2007
PENG YIN	06/01/2007

RECEIVING PARTY DATA

Name:	THOMSON LICENSING
Street Address:	1-5, RUE JEANNE D'ARC
City:	ISSY-LES-MOULINEAUX
State/Country:	FRANCE
Postal Code:	92130

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17673698

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: 6094365333

Email: Docketing@interdigital.com

Correspondent Name: XIAOAN LU

Address Line 1: 200 BELLEVUE PARKWAY

Address Line 2: SUITE 300

Address Line 4: WILMINGTON, DELAWARE 19809

ATTORNEY DOCKET NUMBER:	2007P00038 US05
NAME OF SUBMITTER:	XIAOAN LU
SIGNATURE:	/Xiaoan Lu/
DATE SIGNED:	02/18/2022

Total Attachments: 2

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PATENT REEL: 059043 FRAME: 0471

507136726

Docket No. PU070089

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

t hereby declare that I am the sole inventor (if only one inventor is named below) or one of ________joint inventors (if plural inventors are named below) of the

inventions r	relating	to METHODS AND APP	ARATUS FOR VIDEO US	ABILITY INFO	DRMATION (VU	IN FOR SCALAB	ILE VIDEO CODING	**************
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described in	n an Ap	oplication for Patent filed o			der Serial No.		and described in the file asso	
Docket No.		- April property and a second		re by filing date	e and serial nun	nber or by the Do	cket Number listed above, executed by m	e on even
of the count any and all la and do all a countries all a corporation representation its or thin into or the inventions to convention in the may be required.	ir valua try of F. Letters gree th acts who acts who igree the and all tives or uthorized eir own filed by which is ereby c puired ir	rance, its successors, and Patent that may be grant lat, when requested, I will lich may be necessary, do esting title thereto in said hat I will communicate to tits expense will testify in nominees, to obtain or en e and empower said corpu- in name, or in my/our nam- it or them, the benefit of to may henceforth be substit consent that a copy of this nany country for any pury	d. I hereby sell, assign and assigns my entire right, til d assigns my entire right, til ed therefor, and any division, without charge to said co- esirable or convenient for corporation, its successors said corporation or its re- many legal proceedings, a liferce proper protection for oration, its successors, as ne, in any and all countrich the right of priority provided uted for it, and to invoke as a assignment shall be deer losse and more particularly sose and more particularly	itle and interest construction but at securing and r s. assigns or not presentatives a and generally designs or nomines and to involt by the Internal of tall legal in preof of the	t, for all countries or at its expense or at its expense or at its expense or anional comment. And the comment is any facts know to everything possion and all lees, to make a kee and claim futional Conventinight of priority we and formal equenting or right of the sai	es in and to said in detensions the identification all papers, takents or other form in to me respectionsible to aid sail countries. pplication for patroor any application or for the Protect without further write uivalent of any as id corporation or in the patroor and and all corporation or any as id corporation or any as identification or any and and any and and any and any and any and any any and any and any any and any any and any any and any any any and any	ration duly organized and existing under to inventions, and all the rights and privilege preof. The said injustful oaths, make all rightful declars of protection for said inventions in any ong said inventions and when requested id corporation, its successors, assigns and enter other form of protection to for patent or other form of protection to it of industrial Property, as amended, or it of the organization from me. It is successors, assigns or nominees to a provided by the International Convention	s under srations r and all by said nd legal rentions for said r by any et which pply for
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Inver	ntor (2)	LIHUA ZH	υ					
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Inver	ntor (3)	PENG YIN (Type or Print)	 		(Sig	nature in Full. No	o initials.)	_
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Docket No. PU070089

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

Jisted above or, if not identified here by filing date and serial number or by the Docket Number listed above, executed by me on exhable consideration received, hereby self, asign and transfer to T-MOMSON LICENSING. a conversion duly organized and existing under the tawe or valuable consideration received, hereby self, asign and transfer to T-MOMSON LICENSING. a conversion duly organized and existing under the tawe or valuable contents in each counter as many and an air the rights and privileges under Licetter Patient that may be granted therefor, and any divisions, continuations, resistues and extensions thereof. Licetter Patient that may be granted therefor, and any divisions, continuations, resistues and extensions thereof and the rights and privileges under the content of the patient of the content o		olication for Patent filed o	n April 12, 2007	under Se	rial No. 60/911,490	and described in the file associate
or valuable consideration received. I hereby self, assign and transfer to THOMSON LICENSING, a corporation of by organized and existing under the law intry of France, its successors, and assigns my entering right, title and interest, for all countries in and to said inventions, and all the nights and privileges under like their requested. I will without charge to said corporation but all to expense, sale all rights of collections or agree that. When requested is and organized and extensions thereof for said inventions in any and all and for vesting title thereto in said corporation. Its successors, assigns or nominees, agree that I will communicate to said corporation. Its successors, assigns or nominees. Agree that I will communicate to said corporation. Its successors, assigns or nominees. I agree that I will communicate to said corporation. Its successors, assigns or nominees. I agree that I will communicate to said corporation. Its successors, assigns or nominees. I agree that I will communicate to said corporation. Its successors, assigns and generally do everything possible to add said corporation. Its successors, assigns or nominees. In make application for patient or other or said inventions and add at the expense will testify in any legal proceedings, and generally do everything possible to add said corporation. Its successors, assigns or nominees. In make application for patient or other or said inventions relief own name, or in myfour name, in any and all countries and to invoke and claim for any application for patient or other common for a said discipling the property as a mended, or by any invention and the international Convention for patient or other property, as a mended, or by any invention and patients of the regist of priority provided by the international Convention of the discountry of the said corporation or its successors. Assigns of the said corporation or its successors assigns or nominees. In the said of the patient of the said corporation or its representations and the said or said o	ket No. PU07			ere by filing date and s	erial number or by the Doc	 ket Number listed above, executed by me on
other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the of Industrial Property, as amended, or by any convention which may henceforth be substituted for it. covenant with THOMSON LUCENSING, the successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and rein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed. PRINCETON, NEW JERSEY Date Post Office Address 3404 Hunters Glen Drive, (Middlesex County), Plainsboro, New Jersey 08536 USA Post Office Address (Type or Print) (Signature in Full. No initiats.) (Type or Print) (Signature in Full. No initiats.) And at BEINING, CHINA Date BEINING, CHINA Date May J. S. (W. P.	For valuable country of Fire and all Letters I agree that do all acts which tries and for ve I agree the coration and at resentatives or a lauthorize or their own intron filed by it vention which m I hereby co	ele consideration received ance, its successors, and Patent that may be grant- it, when requested, I will, the may be necessary, de issting title thereto in said at I will communicate to its expense will testify in nominees, to obtain or en and empower said corpx name, or in my/our name, or them, the benefit of the hay henceforth be substitutionsent that a copy of this	d, I hereby sell, assign an l assigns my entire right, the ed therefor, and any division without charge to said consirable or convenient for corporation, its successor said corporation or its re- any legal proceedings, if force proper protection for pration, its successors, as the, in any and all countries in any and all countries in the right of priority provided utted for it, and to invoke a assignment shall be dee!	itle and interest, for all ions, continuations, rei orporation but at its exp securing and maintain rs, assigns or nominee epresentatives any fact and generally do ever r said inventions in any signs or nominees, to es and to invoke and d by the international and claim such right of med a full legal and fo med a full legal and fo	countries in and to said interpretations and extensions there pense, sign all papers, take ning patents or other forms as the second of the se	ventions, and all the rights and privileges un- eof. e all rightful oaths, make all rightful declaration of protection for said inventions in any and g said inventions and when requested by significant corporation, its successors, assigns and left or other form of protection for said invention for patent or other form of protection for said invention for fundustrial Property, as amended, or by a corporal authorization from me.
coverant with THOMSON LICENSING, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and rerien conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed. PRINCETON, NEW JERSEY Date Post Office Address 3404 Hunters Glen Drive, (Middlesex County), Plainsboro, New Jersey 08536 USA (Signature in Full. No initials.) Post Office Address (Type or Print) (Signature in Full. No initials.) Post Office Address Room 1006, XinDiBiao, No15 Yong TaiYuan, QingHe HaiDian District, Beijing (Type or Print) (Signature in Full. No initials.) (Signature in Full. No initials.) Post Office Address Room 1006, XinDiBiao, No15 Yong TaiYuan, QingHe HaiDian District, Beijing (Signature in Full. No initials.)	ent or other pro	per protection for said in	nventions, and to claim	the aforesaid benefits	of the right of priority pro	
Post Office Address (Type or Print) (Signature in Full. No initials.) Post Office Address (Type or Print) (Signature in Full. No initials.) (Date (Type or Print) (Signature in Full. No initials.) (Print) (Signature in Full. No initials.) (Print) (Signature in Full. No initials.) (Print) (Signature in Full. No initials.)	I covenant	with THOMSON LICENS	SING, is successors, ass	signs, legal representa	tives, and nominees, that t	
Post Office Address 3404 Hunters Glen Drive, (Middlesex County), Plainsboro, New Jersey 08536 USA Witness (Type or Print) (Signature in Full. No initials.) Post Office Address Room 1006, XinDiBiao, No15 Yong TaiYuan, Qing He HaiDian District, Beijing (Type or Print) (Signature in Full. No initials.)	rest herein conv	reyed by me are free and	clear of any encumbranc	e, and that I have full r	ight to convey the same as	s herein expressed.
Post Office Address 3404 Hunters Glen Drive, (Middlesex County), Plainsboro, New Jersey 08536 USA Witness (Type or Print) (Signature in Full. No initials.) Post Office Address Room 1006, XinDiBiao, No15 Yong TaiYuan, Qing He HaiDian District, Beijing (Type or Print) (Signature in Full. No initials.)	0:			Data		
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Attness (Type or Print) (Signature in Full. No initials.) Date May 125/ 1077 LIHUA ZHU (Type or Print) Post Office Address Room 1006, XinDiBiao, No15 Yong TaiYuan, QingHe HaiDian District, Beijing Attness (Type or Print) (Signature in Full. No initials.) Attness (Type or Print) (Signature in Full. No initials.)		(type or Print)			(Signature in Full. No	initials.)
(Signature in Full. No initials.) med at BEINING, CHINA Date May Just Vot 7 enter (2) LIHUA ZHU (Type or Print) Post Office Address Room 1006, XinDiBiao, No15 Yong TaiYuan, Qing He HaiDian District, Beijing fitness (Type or Print) (Signature in Full. No initials.) (Signature in Full. No initials.) (Signature in Full. No initials.) fitness (Type or Print) (Signature in Full. No initials.) Date PRINCETON, NEW JERSEY Date	1st Witness	Post Office Address		len Drive, (Mido	dlesex County), Pla	ainsboro, New Jersey 08536
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/itness (Type or Print) (Signature in Full. No initials.) /itness (Type or Print) (Signature in Full. No initials.) med at PRINCETON, NEW JERSEY Date entor (3) PENG YIN	1st Witness	(Type or Print)	USA		diesex County), Pla	ainsboro, New Jersey 08536
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(Signature in Full. No initials.)

PATENT REEL: 059043 FRAME: 0473

(Type or Print)

2ndWitness