AP19 Rec'd PCT/PTO 1 6 APR 2010

Docket No.: PU080158

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04-21-2010

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U.S. DEPARTMENT OF COMMERCE

SHEET

12/734206

To the Honorable Director of the United States Pater.	and an analysis or copy thereof.
Name of conveying party(ies):	2. Name and address of receiving party(ies):
Peng Yin	Name: THOMSON LICENSING
Jiancong Luo	
Yong Ying Gao	
Yu Wen Wu	
Additional name(s) of X No	Street Address: 46 Quai A. Le Gallo
conveying party(ies) attached:	F-92100 Boulogne-Billancourt, France
3. Nature of convenance:	
X Assignment Merger Security Agreement Change of Name	
Other	
Execution Date: 02/16/09; 02/13/09; 03/04/09; 03/02/09; respec	ctively. Additional name(s) & address(es)attached? X No
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the	evecution date of the application in
in and document is being med together with a new application, the	execution date of the approach is.
A. Patent Application No.(s): PCT/US2008/011728	B. Patent No.(s)
Additional numbers attached?	
Additional humbers attached?	Yes No X
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1
concerning document should be mailed:	
Name: ROBERT D. SHEDD	TANKS TO THE TANKS
Internal Address: PATENT OPERATIONS	7. Total Fee (37 CFR 3.41): \$40.00
THOMSON LICENSING LLC SUITE 200	Enclosed
Street or PO Address: P. O. Box 5312	X Authorized to be charged to deposit account 8. Deposit account number:
Successive Francisco.	07-0832
City: PRINCETON State: NEW JERSEY Zip: 08543-5312	
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9. Statement and signature.	
To the best of my knowledge and belief, the foregoing information is	true and correct and any attached copy is a true
copy of the original document.	
\mathcal{M} λ	\mathcal{M}
GUY H. ERIKSEN .	41,736 April 16, 2010
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ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

21734206_{ocket No. PU080158}

I 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						
ventions relating to METHODS AND APPARATUS FOR ARTIFACT REMOVAL FOR BIT DEPTH SCALABILITY						
described in an App	plication for Patent filed on	October 16, 2007	under Serial No. 60/980,322	and described in the file associated with		
Docket No. PU0	80158 , listed abo	ve or, if not identified here by	filing date and serial number or by the Do	ocket Number listed above, executed by me on even		
date with my execu	ition of this Assignment/Agr	eement.				
				oration duly organized and existing under the laws of expentions, and all the rights and privileges under any		

and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

1 agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said

corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with THOMSON LICENSING, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Sign ed at	Princeton, NJ		Date	2/16/208	
Inventor (1)	Peng YIN (Type or Print)		-	(Signature in Full. No initials.)	
	(Type of Print)			(Signature in Full. No initials.)	
Pos	st Office Address 49	Thoreau Drive, Plain	sboro, N	ew Jersey 08536 USA	
1st Witness	(Type or Print)	rusco	-	(Signature in Fulf. No initials.)	
2ndWitness	Curtis Moor	ng		Signature in Full. No initials.)	
	(Type or Print)			(Signature in Full. No initials.)	
Signed at	Princeton, NJ		Date .	2/13/2059	
inventor (2)	Jiancong LUO			735	
	(Type or Print)			(Signature in Full. No initials.)	
Post Office Address 3404 Hunters Glen Drive, Plainsboro, New Jersey 08536 USA					
1st Witness	(Type or Print)	vasio	-	(Signature in Fulf. No initials.)	
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2ndWitness	(Type or Print)	ring	-	(Signature in Full. No initials.)	
	(1) po 0. 1 1111/			(Ogrander)	
Signed at	China		Date -		
Inventor (3)	Yong Ying GAC				
	(Type or Print)	1	-	(Signature in Full. No initials.)	
				ļ	
Pos	st Office Address Bld	g. 6 2-902 2nd Arrea	. Shi Cu	n Chayoyang District 10001 Beijing, China	
1-t Mitnago					
1st Witness	(Type or Print)		_	(Signature in Full. No initials.)	
2ndWitness _	(Type or Print)		_	(Signature in Full. No initials.)	
	(.,)po or(/			(Cignical on Full and Integral)	

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Customer No. 24498.

Docket No. PU 088158

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA (Cont'd)

Signed at	China		Date	
Inventor (4)	Yu Wen W			
	(Type or Print)	0		(Signature in Full. No initials.)
Ро	st Office Address	Bldg. 14, Apt. 202 West 2 China	Xuan Wu	Men Street, Xuanwu District, 100031 Beijing,
1st Witness				
	(Type or Print)			(Signature in Full. No initials.)
2nd Witness	(Type or Print)			(Signature in Full. No initials.)
Signed at			Date	
Inventor (5)				
	(Type or Print)			(Signature in Full. No initials.)
Ро	st Office Address			
1st Witness			_	
	(Type or Print)			(Signature in Full. No initials.)
2nd Witness	(Type or Print)			(Signature in Full. No initials.)
Signed at			Date	
Inventor (6)				
, ,	(Type or Print)			(Signature in Full. No initials.)
Po	st Office Address			
1st Witness				
	(Type or Print)			(Signature in Full. No initials.)
2nd Witness	(Type or Print)			(Signature in Full. No initials.)
Signed at			Date	
Inventor (7)				
•	(Type or Print)			(Signature in Full. No initials.)
Po	st Office Address			
1st Witness	_			
-	(Type or Print)			(Signature in Full. No initials.)
2nd Witness	(Type or Print)			(Signature in Full. No initials.)

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Customer No. 24498

Docket No. PU080158

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

bed in an Applica	ation for Patent filed on	October 16, 2007	under Serial No.	60/980,322	and described in the file associate
No. <u>PU0801</u>	58 listed above	e or, if not identified here by	filing date and serial nu	mber or by the Docke	et Number listed above, executed by me on
For valuable	of this Assignment/Agre consideration received, its successors, and agre	hereby sell, assign and tra	nsfer to THOMSON LIC	ENSING, a corporation	on duly organized and existing under the la
Letters Patent t	hat may be granted ther when requested, I will, wi	efor, and any divisions, conti thout charge to said corpora	inuations, reissues and e tion but at its expense, s	extensions thereof. ign all papers, take al	If rightful oaths, make all rightful declaration
vesting title the	reto in said corporation,	its successors, assigns or ne	ominees.		ection for said inventions in any and all countries and inventions and when requested b
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heir own name, them, the bene	or in my/our name, in an efit of the right of priority	y and all countries and to in	voke and claim for any a I Convention for the Prot	pplication for patent o ection of Industrial Pr	t or other form of protection for said invention other form of protection for said invention roperty, as amended, or by any convention in from me
I hereby consi	ent that a copy of this as	signment shall be deemed a	ı full legal and formal equ	livalent of any assign	ment, consent to file or like document whic ssors, assigns or nominees to apply for pat
proper protection ial Property, as	n for said inventions, a amended, or by any con	nd to claim the aforesaid b vention which may hencefor	enefits of the right of p th be substituted for it.	riority provided by th	e International Convention for the Protect
I covenant wi therein conveys	th THOMSON LICENSI ed by me are free and cl	NG, its successors, assigns ear of any encumbrance, and	s, legal representatives, d that I have full right to d	and nominees, that convey the same as h	to the best of my knowledge the right, tit lerein expressed.
6:					
Signed at	Princeton, NJ		Date		
Inventor (1)	Peng YIN				
	(Type or Print)			Signature in Full. No	initials.)
Po	ost Office Address	49 Thoreau Drive,	Plainsboro, New	Jersey 08536	USA
1st Witness	(Type or Print)			Signature in Full. No	initials.)
2ndWitness					
	(Type or Print)			Signature in Full. No	initials.)
Signed at	Princeton, NJ		Date		
Inventor (2)	Jiancong Ll	JO			
	(Type or Print)		(Signature in Full. No	initials.)
Po	ost Office Address	3404 Hunters Glen	Drive, Plainsbor	o, New Jersey	08536 USA
1st Witness	(Type or Print)			Signature in Full. No	initials.)
2ndWitness			,	•	,
	(Type or Print)		(Signature in Full. No	initials.)
Signed at	China	· · · · · · · · · · · · · · · · · · ·	Date	03/04/0	Jours
Inventor (3)	Yong Ying C	SAO.		Usongs	in Teo
	(Type or Print)			Signature in Full No	finitials.)
Po	est Office Address	Bldg. 6 2-902 2nd /	Arrea. Shi Cun C	nayoyang Distr	ict 10001 Beijing, China
st Witness					
	(Type or Print)		(5	Signature in Full. No	initials.)
ndWitness					
	(Type or Print)			Signature in Full. No	initiale \

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Docket No. PU \$55158

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA (Cont'd)

Signed at	China		Date	2008.3.2
Inventor (4)	Yu Wen W	U		2008.3.2 Yuwan Wu
	(Type or Print)			(Signature in Full. No initials.)
	Post Office Address	Bldg. 14, Apt. 202 West) China	Kuan Wu	Men Street, Xuanwu District, 100031 Beijing,
4-43451				
1st Witness	(Type or Print)			(Signature in Full. No initials.)
2nd Witness				
ZIIU VVIIIIESS	(Type or Print)			(Signature in Full. No initials.)
Signed at			Date	
Inventor (5)				
	(Type or Print)			(Signature in Full. No initials.)
	Post Office Address	· · · · · · · · · · · · · · · · · · ·		
1st Witness				
100 77101000	(Type or Print)			(Signature in Full. No initials.)
2nd Witness				
	(Type or Print)			(Signature in Full. No initials.)
Signed at			Date	
Inventor (6)				
	(Type or Print)			(Signature in Full. No initials.)
	Post Office Address			
1st Witness				
	(Type or Print)			(Signature in Full. No initials.)
2nd Witness	(Type or Print)			(Signature in Full. No initials.)
	(Typo of Time)		-	(Orginatare III) till. No lilitate.)
Signed at			Date	
Inventor (7)				
,,,,	(Type or Print)			(Signature in Full. No initials.)
	Post Office Address			
1st Witness				
. 31 777111003	(Type or Print)		-	(Signature in Full. No initials.)
2nd Witness				
	(Type or Print)			(Signature in Full. No initials.)

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