

A/D 581.40

AP19 Rec'd PCT/PTO 16 APR 2010

Express Mail Label No.: EM 322487129 US  
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FORM PTO-1595  
Rev. 01/07/2007

Docket No.: PU080158

04-21-2010

U.S. DEPARTMENT OF COMMERCE



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1. Name of conveying party(ies): <b>Peng Yin</b> <b>Jiancong Luo</b> <b>Yong Ying Gao</b> <b>Yu Wen Wu</b>		2. Name and address of receiving party(ies): Name: <b>THOMSON LICENSING</b>	
Additional name(s) of conveying party(ies) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Street Address: <b>46 Quai A. Le Gallo</b> <b>F-92100 Boulogne-Billancourt, France</b>	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Execution Date: <b>02/16/09; 02/13/09; 03/04/09; 03/02/09; respectively.</b>			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:			
A. Patent Application No.(s): <b>PCT/US2008/011728</b>		B. Patent No.(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> X			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>ROBERT D. SHEDD</b> Internal Address: <b>PATENT OPERATIONS</b> <b>THOMSON LICENSING LLC</b> <b>SUITE 200</b> Street or PO Address: <b>P. O. Box 5312</b> City: <b>PRINCETON</b> State: <b>NEW JERSEY</b> Zip: <b>08543-5312</b>		6. Total number of applications and patents involved: <u>1</u>	
		7. Total Fee (37 CFR 3.41): <b>\$40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account	
		8. Deposit account number: <b>07-0832</b>	

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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.*

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Name of Person Signing

Signature 41,736  
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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

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of 4 joint inventors (if plural inventors are named below) of the inventions relating to METHODS AND APPARATUS FOR ARTIFACT REMOVAL FOR BIT DEPTH SCALABILITY

described in an Application for Patent filed on October 16, 2007 under Serial No. 60/980,322 and described in the file associated with Docket No. PU080158 listed above or, if not identified here by filing date and serial number or by the Docket Number listed above, executed by me on even date with my execution of this Assignment/Agreement.

For valuable consideration received, I hereby sell, assign and transfer to THOMSON LICENSING, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, 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.

I 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.

Form with signature lines for Inventor (1) Peng YIN, Inventor (2) Jiancong LUO, and Inventor (3) Yong Ying GAO, including witness signatures and dates.

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Docket No. PU 000158

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

Signed at	<u>China</u>	Date	_____
Inventor (4)	<u>Yu Wen WU</u> (Type or Print)	(Signature in Full. No initials.)	_____
Post Office Address	<u>Bldg. 14, Apt. 202 West Xuan Wu Men Street, Xuanwu District, 100031 Beijing, China</u>		
1st Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
2nd Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
Signed at	_____	Date	_____
Inventor (5)	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
Post Office Address	_____		
1st Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
2nd Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
Signed at	_____	Date	_____
Inventor (6)	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
Post Office Address	_____		
1st Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
2nd Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
Signed at	_____	Date	_____
Inventor (7)	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
Post Office Address	_____		
1st Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
2nd Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		

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For valuable consideration received, I hereby sell, assign and transfer to THOMSON LICENSING, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, 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.

I 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.

Signed at	<u>Princeton, NJ</u>	Date	
Inventor (1)	<u>Peng YIN</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>49 Thoreau Drive, Plainsboro, New Jersey 08536 USA</u>		
1st Witness	(Type or Print)		(Signature in Full. No initials.)
2nd Witness	(Type or Print)		(Signature in Full. No initials.)
Signed at	<u>Princeton, NJ</u>	Date	
Inventor (2)	<u>Jiancong LUO</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>3404 Hunters Glen Drive, Plainsboro, New Jersey 08536 USA</u>		
1st Witness	(Type or Print)		(Signature in Full. No initials.)
2nd Witness	(Type or Print)		(Signature in Full. No initials.)
Signed at	<u>China</u>	Date	<u>03/04/2009</u>
Inventor (3)	<u>Yong Ying GAO,</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>Bldg. 6 2-902 2nd Arrea. Shi Cun Chayoyang District 10001 Beijing, China</u>		
1st Witness	(Type or Print)		(Signature in Full. No initials.)
2nd Witness	(Type or Print)		(Signature in Full. No initials.)

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

Signed at	<u>China</u>	Date	<u>2008.3.2</u>
Inventor (4)	<u>Yu Wen WU</u> (Type or Print)		<u>Yu Wen WU</u> (Signature in Full. No initials.)
Post Office Address	<u>Bldg. 14, Apt. 202 West Xuan Wu Men Street, Xuanwu District, 100031 Beijing, China</u>		
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.)
Post 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.)
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	(Type or Print)		(Signature in Full. No initials.)
Signed at	_____	Date	_____
Inventor (7)	_____		_____
	(Type or Print)		(Signature in Full. No initials.)
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