

CUSTOMER NO.: 24498

Docket No.: PU010248

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Rev. 01/07/2007

A/D 5814

04-20-2010

U.S. DEPARTMENT OF COMMERCE

12/734175



103595113

To the Honorable Director of the United States Patent and Trademark Office

1. Name of conveying party(ies):
Peng Yin, Jiancong Luo, Yong Ying Gao, and Yu Wen Wu

2. Name and address of receiving party(ies):
Name: THOMSON LICENSING

Additional name(s) of conveying party(ies) attached: No

Street Address: 46 Quai A. Le Gallo
F-92100 Boulogne-Billancourt, France

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: November 5, 2007, November 12, 2007, October 30, 2007, and October 30, 2007, respectively

Additional name(s) & address(es) attached? No

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): PCT/US2008/011712

B. Patent No.(s)

12/734175

Additional numbers attached? Yes No X

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ROBERT D. SHEDD
Internal Address: PATENT OPERATIONS
THOMSON LICENSING LLC
SUITE 200

Street or PO Address: P. O. Box 5312

City: PRINCETON State: NEW JERSEY Zip: 08543-5312

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$40.00

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
07-0832

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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.

Guy H. Eriksen
Name of Person Signing

Signature Reg. No. 41,736

15 APRIL 2010
Date

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Docket No. PU070248

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA **12/734175**

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 INTER-LAYER RESIDUE PREDICTION FOR SCALABLE VIDEO

described in an Application for Patent filed on October 15, 2007 under Serial No. 60/979,956 and described in the file associated with Docket No. PU070248, 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.

Signed at	<u>PRINCETON, NEW JERSEY</u>	Date	<u>11/5/2007</u>
Inventor (1)	<u>Peng Yin</u> (Type or Print)		<u>Peng Yin</u> (Signature in Full. No initials.)
Post Office Address	<u>65 Warwick Road, (Mercer County), West Windsor, New Jersey 08550</u>		
1st Witness	<u>Tiffany Cervone</u> (Type or Print)		<u>Tiffany Cervone</u> (Signature in Full. No initials.)
2nd Witness	<u>Curtis Mooring</u> (Type or Print)		<u>Curtis Mooring</u> (Signature in Full. No initials.)
Signed at	<u>PRINCETON, NEW JERSEY</u>	Date	<u>11/12/2007</u>
Inventor (2)	<u>Jiancong Luo</u> (Type or Print)		<u>Jiancong Luo</u> (Signature in Full. No initials.)
Post Office Address	<u>3404 Hunters Glen Drive, (Middlesex County), Plainsboro, New Jersey 08536</u>		
1st Witness	<u>Tiffany Cervone</u> (Type or Print)		<u>Tiffany Cervone</u> (Signature in Full. No initials.)
2nd Witness	<u>Curtis Mooring</u> (Type or Print)		<u>Curtis Mooring</u> (Signature in Full. No initials.)
Signed at		Date	
Inventor (3)	<u>Yong Ying Gao</u> (Type or Print)		<u>Yong Ying Gao</u> (Signature in Full. No initials.)
Post Office Address	<u>Bldg., Apt. 2-902 2nd Area, Shi Cun, Chaoyang District, Beijing, China 100101</u>		
1st Witness			
2nd Witness			

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

Signed at	<u>Beijing China</u>	Date	<u>10/30/2007</u>
Inventor (4)	<u>YU Wen Wu</u> (Type or Print)		<u>Yuwen Wu</u> (Signature in Full. No initials.)
Post Office Address	<u>Bldg. 14, Apt. 202, West Xuan Wu Men Street, Xuanwu District, Beijing, China 100031</u>		
1st Witness	<u>ZHU RONG</u> (Type or Print)		<u>Zhu rong</u> (Signature in Full. No initials.)
2nd Witness	<u>LIU DE YI</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
Signed at		Date	
Inventor (5)			
Post Office Address			
1st Witness			
2nd Witness			
Signed at		Date	
Inventor (6)			
Post Office Address			
1st Witness			
2nd Witness			
Signed at		Date	
Inventor (7)			
Post Office Address			
1st Witness			
2nd Witness			

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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.

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1st Witness			(Signature in Full. No initials.)
2nd Witness			(Signature in Full. No initials.)
Signed at	<u>PRINCETON, NEW JERSEY</u>	Date	
Inventor (2)	<u>Jiancong Luo</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>3404 Hunters Glen Drive, (Middlesex County), Plainsboro, New Jersey 08536</u>		
1st Witness			(Signature in Full. No initials.)
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Signed at	<u>Beijing, China</u>	Date	<u>10/30/2007</u>
Inventor (3)	<u>Yong Ying Gao</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>Bldg., Apt. 2-902 2nd Area, Shi Cun, Chaoyang District, Beijing, China 100101</u>		
1st Witness	<u>ZHU RONG</u> (Type or Print)		(Signature in Full. No initials.)
2nd Witness	<u>LIU DE YI</u> (Type or Print)		(Signature in Full. No initials.)

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Signed at	<u>Beijing China</u>	Date	<u>10/30/2007</u>
Inventor (4)	<u>YU Wen Wu</u> (Type or Print)		<u>Yuwen Wu</u> (Signature in Full. No initials.)
Post Office Address	<u>Bldg. 14, Apt. 202, West Xuan Wu Men Street, Xuanwu District, Beijing, China 100031</u>		
1st Witness	<u>ZHU RONG</u> (Type or Print)		<u>Zhu rong</u> (Signature in Full. No initials.)
2nd Witness	<u>LIU DE YI</u> (Type or Print)		<u>[Signature]</u> (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.)
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 (7)	_____ (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.)

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