

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xiaoan Lu</td> <td>11/11/2009</td> </tr> <tr> <td>Joel Sole</td> <td>11/16/2009</td> </tr> <tr> <td>Peng Yin</td> <td>11/24/2009</td> </tr> <tr> <td>Qian Xu</td> <td>11/11/2009</td> </tr> <tr> <td>Yunfei Zheng</td> <td>11/11/2009</td> </tr> </tbody> </table>		Name	Execution Date	Xiaoan Lu	11/11/2009	Joel Sole	11/16/2009	Peng Yin	11/24/2009	Qian Xu	11/11/2009	Yunfei Zheng	11/11/2009
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Peng Yin	11/24/2009												
Qian Xu	11/11/2009												
Yunfei Zheng	11/11/2009												
RECEIVING PARTY DATA													
Name:	Thomson Licensing												
Street Address:	1 rue Jeanne d'Arc												
City:	Issy les Moulineaux												
State/Country:	FRANCE												
Postal Code:	92130												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13498467</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13498467								
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Application Number:	13498467												
CORRESPONDENCE DATA													
Fax Number:	(609)734-6888												
Phone:	609-734-6828												
Email:	lois.greene@technicolor.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Robert D. Shedd, Patent Operations THOMS												
Address Line 1:	P.O. Box 5312												
Address Line 4:	Princeton, NEW JERSEY 08543-5312												
ATTORNEY DOCKET NUMBER:	PU090143												
NAME OF SUBMITTER:	Guy H. Eriksen												

CH \$40.00 13498467

Total Attachments: 6

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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 5 joint inventors (if plural inventors are named below) of the inventions relating to METHODS AND APPARATUS FOR EMBEDDED QP ADJUSTMENT IN VIDEO CODECS

described in an Application for Patent filed on October 5, 2009 under Serial No. 61/248,541 and described in the file associated with Docket No. PU090143, 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 herefor, and any divisions, continuations, reissues and extensions thereof.

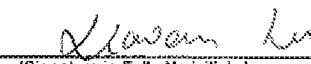
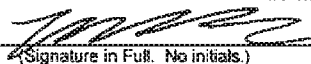
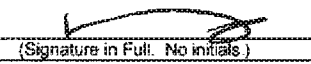

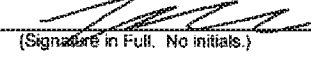
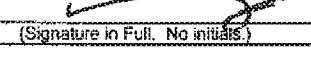
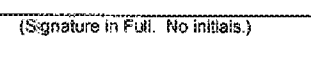
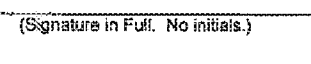
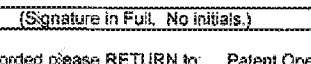
I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said 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	Date	<u>11/11/2009</u>
Inventor (1) <u>Xiaoan Lu</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>30 Kennedy Court, Princeton, New Jersey 08540 USA</u>	
1st Witness <u>Teresa Convasio</u> (Type or Print)		(Signature in Full. No initials.)
2nd Witness <u>Pearline Moore Ng</u> (Type or Print)		(Signature in Full. No initials.)
Signed at	Date	<u>11/16/2009</u>
Inventor (2) <u>Joel Sole</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>1006 Quail Ridge Drive, Plainsboro, New Jersey 08536 USA</u>	
1st Witness <u>Teresa Convasio</u> (Type or Print)		(Signature in Full. No initials.)
2nd Witness <u>Pearline Moore Ng</u> (Type or Print)		(Signature in Full. No initials.)
Signed at	Date	
Inventor (3) <u>Peng Yin</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>6 John Street, Ithaca, New York 14850 USA</u>	
1st Witness (Type or Print)		(Signature in Full. No initials.)
2nd Witness (Type or Print)		(Signature in Full. No initials.)

After this Assignment has been recorded please RETURN to: Patent Operations
THOMSON Licensing LLC
PO Box 5312
Princeton, NJ 08543-5312

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

Signed at	<u>Princeton, New Jersey</u>	Date	_____
Inventor (4)	<u>Qian Xu</u> (Type or Print)	(Signature in Full. No initials.)	_____
Post Office Address	<u>5914 Ravens Crest Drive, Plainsboro, New Jersey 08536 USA</u>		
1st Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
2nd Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
Signed at	<u>Princeton, New Jersey</u>	Date	_____
Inventor (5)	<u>Yunfei Zheng</u> (Type or Print)	(Signature in Full. No initials.)	_____
Post Office Address	<u>123 Quail Ridge Drive, Plainsboro, New Jersey 08536 USA</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 (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)		
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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.

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Signed at	_____	Date	_____
Inventor (1)	<u>Xiaoan Lu</u> (Type or Print)		_____ (Signature in Full. No initials.)
Post Office Address	<u>30 Kennedy Court, Princeton, New Jersey 08540 USA</u>		
1st Witness	_____		_____ (Signature in Full. No initials.)
2nd Witness	_____		_____ (Signature in Full. No initials.)
Signed at	_____	Date	_____
Inventor (2)	<u>Joel Sole</u> (Type or Print)		_____ (Signature in Full. No initials.)
Post Office Address	<u>1006 Quail Ridge Drive, Plainsboro, New Jersey 08536 USA</u>		
1st Witness	_____		_____ (Signature in Full. No initials.)
2nd Witness	_____		_____ (Signature in Full. No initials.)
Signed at	_____	Date	<u>11/24/2009</u>
Inventor (3)	<u>Peng Yin</u> (Type or Print)		<u>Peng Yin</u> (Signature in Full. No initials.)
Post Office Address	<u>6 John Street, Ithaca, New York 14850 USA</u>		
1st Witness	<u>Xiaodong Cao</u> (Type or Print)		_____ (Signature in Full. No initials.)
2nd Witness	<u>Bingxing Cao</u> (Type or Print)		<u>Bingxing Cao</u> (Signature in Full. No initials.)

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1st Witness	_____	(Type or Print)	(Signature in Full, No initials.)
2nd Witness	_____	(Type or Print)	(Signature in Full, No initials.)
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Inventor (5)	<u>Yunfei Zheng</u> (Type or Print)	(Signature in Full, No initials.)	_____
Post Office Address	<u>123 Quail Ridge 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	_____	Date	_____
Inventor (8)	_____	(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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Inventor (7)	_____	(Type or Print)	(Signature in Full, No initials.)
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2nd Witness	_____	(Type or Print)	(Signature in Full, No initials.)

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Form with signature lines for three inventors: Xiaoran Lu, Joel Sole, and Peng Yin. Each section includes fields for 'Signed at', 'Date', 'Inventor (1/2/3)', 'Post Office Address', '1st Witness', and '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>Princeton, New Jersey</u>	Date	<u>11/11/09</u>
Inventor (4)	<u>Qian Xu</u> (Type or Print)		<u><i>Qian Xu</i></u> (Signature in Full. No initials.)
Post Office Address	<u>5914 Ravens Crest Drive, Plainsboro, New Jersey 08536 USA</u>		
1st Witness	<u><i>Tiffany Corvado</i></u> (Type or Print)		<u><i>[Signature]</i></u> (Signature in Full. No initials.)
2nd Witness	<u><i>Pearline Moorin</i></u> (Type or Print)		<u><i>[Signature]</i></u> (Signature in Full. No initials.)
Signed at	<u>Princeton, New Jersey</u>	Date	<u>Nov. 11, 2009</u>
Inventor (5)	<u>Yunfei Zheng</u> (Type or Print)		<u><i>[Signature]</i></u> (Signature in Full. No initials.)
Post Office Address	<u>123 Quail Ridge Drive, Plainsboro, New Jersey 08536 USA</u>		
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