

## 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>Dong-Qing Zhang</td> <td>05/20/2010</td> </tr> <tr> <td>Sitaram Bhagavathy</td> <td>05/20/2010</td> </tr> <tr> <td>Joan Llach</td> <td>05/18/2010</td> </tr> </tbody> </table>		Name	Execution Date	Dong-Qing Zhang	05/20/2010	Sitaram Bhagavathy	05/20/2010	Joan Llach	05/18/2010
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<table border="1"> <tr> <td>Name:</td> <td>Thomson Licensing</td> </tr> <tr> <td>Street Address:</td> <td>1-5 rue Jeanne d'Arc</td> </tr> <tr> <td>City:</td> <td>Issy les Moulineaux</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> </table>		Name:	Thomson Licensing	Street Address:	1-5 rue Jeanne d'Arc	City:	Issy les Moulineaux	State/Country:	FRANCE
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CORRESPONDENCE DATA									
<p>Fax Number: (609)734-6888</p> <p>Phone: 609-734-6828</p> <p>Email: adele.izzo@technicolor.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Robert D. Shedd, Patent Operations THOMS</p> <p>Address Line 1: P. O. Box 5312</p> <p>Address Line 4: Princeton, NEW JERSEY 08543-5312</p>									
ATTORNEY DOCKET NUMBER:	PU100014								
NAME OF SUBMITTER:	Ronald J. Kolczynski								
<p>Total Attachments: 1</p> <p>source=PU100014_Assignment#page1.tif</p>									

CH \$40.00 13522024

# **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 3 joint inventors (if plural inventors are named below) of the inventions relating to METHOD AND APPARATUS FOR DATA PRUNING FOR VIDEO COMPRESSION USING EXAMPLE-BASED SUPER-RESOLUTION

described in an Application for Patent filed on January 22, 2010 under Serial No. 61/336,516 and described in the file associated with Docket No. PU100014, 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, NJ</u>	Date	<u>05/20/10</u>
Inventor (1)	<u>Dong-Qing Zhang</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
Post Office Address	<u>5603 Ravens Crest Dr., Plainsboro, NJ 08536 USA</u>		
1st Witness	<u>MITHUN JACOB</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
2nd Witness	<u>Guo Liwei</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
Signed at	<u>Princeton, NJ</u>	Date	<u>05/20/2010</u>
Inventor (2)	<u>Sitaram Bhagavathy</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
Post Office Address	<u>5910 Hunters Glen Dr., Plainsboro, NJ 08536 USA</u>		
1st Witness	<u>MITHUN JACOB</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
2nd Witness	<u>GUO LIWEI</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
Signed at	<u>Princeton, NJ</u>	Date	<u>05/18/2010</u>
Inventor (3)	<u>Joan Llach</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
Post Office Address	<u>101 Castleton Rd., Princeton, NJ 08540 USA</u>		
1st Witness	<u>MITHUN JACOB</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
2nd Witness	<u>GUO LIWEI</u> (Type or Print)	<u>[Signature]</u> (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

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