

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>Dietmar HEPPEL</td> <td>02/16/2013</td> </tr> <tr> <td>Oliver THEIS</td> <td>02/21/2012</td> </tr> <tr> <td>Xiaoming CHEN</td> <td>02/14/2013</td> </tr> <tr> <td>Herbert HOELZEMANN</td> <td>02/13/2013</td> </tr> <tr> <td>Gael PILARD</td> <td>02/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	Dietmar HEPPEL	02/16/2013	Oliver THEIS	02/21/2012	Xiaoming CHEN	02/14/2013	Herbert HOELZEMANN	02/13/2013	Gael PILARD	02/20/2013
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Thomson Licensing</td> </tr> <tr> <td>Street Address:</td> <td>1 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> <tr> <td>Postal Code:</td> <td>92130</td> </tr> </table>		Name:	Thomson Licensing	Street Address:	1 rue Jeanne d'Arc	City:	Issy Les Moulineaux	State/Country:	FRANCE	Postal Code:	92130		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: 6097346888 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 609-734-6828 Email: davida.fornarotto@technicolor.com Correspondent Name: Robert D. Shedd, Patent Operations THOMS Address Line 1: Two Independence Way, Suite No. 200 Address Line 4: Princeton, NEW JERSEY 08540-6620													
ATTORNEY DOCKET NUMBER:	PD100044												
NAME OF SUBMITTER:	Patricia A. Verlangieri												
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 METHOD AND SYSTEM FOR DETERMINING THE QUALITY OF A STORAGE SYSTEM

described in an Application for Patent filed on 06/SEP/2011 under Serial No. PCT/EP11/065394 and described in the file associated with Docket No. PD100044, 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.

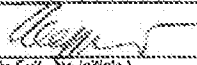
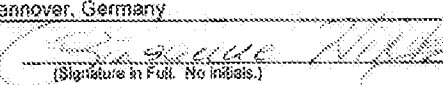
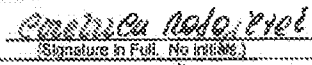
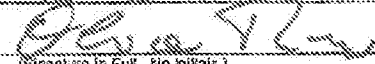
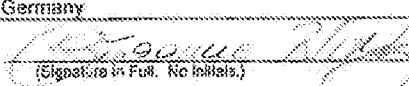
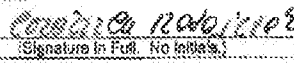
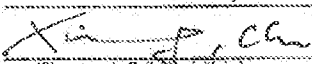
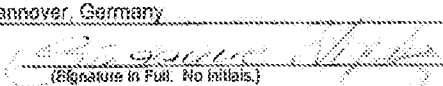
I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title therein 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	(City) Hannover	Date	14.02.2013
Inventor (1)	Dietmar HEPPER (Type or Print)	 (Signature in Full. No initials.)	
Post Office Address	Wernigeröder Weg 41, 30419 Hannover, Germany		
1st Witness	Susanne Wirtz (Type or Print)	 (Signature in Full. No initials.)	
2nd Witness	Cordula Ratajczak (Type or Print)	 (Signature in Full. No initials.)	
Signed at	(City) Hannover	Date	21.02.13
Inventor (2)	Oliver THEIS (Type or Print)	 (Signature in Full. No initials.)	
Post Office Address	Detmolder Str. 10, 32689 Kalletal, Germany		
1st Witness	Susanne Wirtz (Type or Print)	 (Signature in Full. No initials.)	
2nd Witness	Cordula Ratajczak (Type or Print)	 (Signature in Full. No initials.)	
Signed at	(City) Hannover	Date	14.02.2013
Inventor (3)	Xiaoming CHEN (Type or Print)	 (Signature in Full. No initials.)	
Post Office Address	Vahrenwalder Str. 101, 30165 Hannover, Germany		
1st Witness	Susanne Wirtz (Type or Print)	 (Signature in Full. No initials.)	
2nd Witness	Cordula Ratajczak (Type or Print)	 (Signature in Full. No initials.)	

Signed at	(City)	Date
Inventor (1)	Herbert HOELZEMANN (Type or Print)	(Signature in Full, No initials.)
Post Office Address	Farnweg 2/7, 78046 Villingen, Germany	
1st Witness		(Signature in Full, No initials.)
2nd Witness		(Signature in Full, No initials.)
Signed at	(City)	Date
Inventor (1)	Gael PILARD (Type or Print)	(Signature in Full, No initials.)
Post Office Address	Lichtensteinstr. 17, 72127 Wankheim, Germany	
1st Witness		(Signature in Full, No initials.)
2nd Witness		(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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Inventor (1)	<u>Diemar HEPER</u> (Type or Print)	(Signature in Full. No initials.)	
Post Office Address	<u>Wernigeröder Weg 41, 30419 Hannover, Germany</u>		
1st Witness	<u>Susanne Wirtz</u> (Type or Print)	(Signature in Full. No initials.)	
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Signed at	(City) <u>D-78048 Villingen</u>	Date	<u>13.2.2013</u>
Inventor (1)	<u>Herbert HOELZEMANN</u> (Type or Print)	<u>Holt H. L.</u> (Signature in Full, No Initials)	
Post Office Address <u>Famweg 2/7, 78048 Villingen, Germany</u>			
1st Witness	<u>Müller, Stefan</u>	<u>[Signature]</u> (Signature in Full, No Initials)	
2nd Witness	<u>Feng, Qilang</u>	<u>[Signature]</u> (Signature in Full, No Initials)	
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2nd Witness		(Signature in Full. No initials.)
Signed at	(City) <u>Wankheim</u>	Date <u>20.02.2013</u>
Inventor (1)	Gael PILARD (Type or Print)	(Signature in Full. No initials.)
Post Office Address	Lichtensteinstr. 17, 72127 Wankheim, Germany	
1st Witness	<u>Gael Pilard</u>	(Signature in Full. No initials.)
2nd Witness	<u>Mayra Pilard</u>	(Signature in Full. No initials.)

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