

## 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>Savvas Argyropoulos</td> <td>05/27/2013</td> </tr> <tr> <td>Bernhard Feiten</td> <td>05/27/2013</td> </tr> <tr> <td>Marie-Neige Garcia</td> <td>05/27/2013</td> </tr> <tr> <td>Peter List</td> <td>05/24/2013</td> </tr> <tr> <td>Alexander Raake</td> <td>05/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	Savvas Argyropoulos	05/27/2013	Bernhard Feiten	05/27/2013	Marie-Neige Garcia	05/27/2013	Peter List	05/24/2013	Alexander Raake	05/29/2013
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<table border="1"> <tr> <td>Name:</td> <td>Deutsche Telekom AG</td> </tr> <tr> <td>Street Address:</td> <td>Friedrich-Ebert-Allee 140</td> </tr> <tr> <td>City:</td> <td>Bonn</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>53113</td> </tr> </table>		Name:	Deutsche Telekom AG	Street Address:	Friedrich-Ebert-Allee 140	City:	Bonn	State/Country:	GERMANY	Postal Code:	53113		
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CORRESPONDENCE DATA													
<p>Fax Number: 3126165700  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3126165600        Email: assignments@leydig.com        Correspondent Name: LEYDIG, VOIT &amp; MAYER, LTD.        Address Line 1: Two Prudential Plaza, Suite 4900        Address Line 2: 180 North Stetson Avenue        Address Line 4: Chicago, ILLINOIS 606016731</p>													
ATTORNEY DOCKET NUMBER:	813251												
NAME OF SUBMITTER:	Erik R. Swanson												

CH \$40.00 13991907

Signature:	/Erik R. Swanson/
Date:	07/05/2013
<b>Total Attachments: 6</b> source=813251_ExecutedAssignment#page1.tif source=813251_ExecutedAssignment#page2.tif source=813251_ExecutedAssignment#page3.tif source=813251_ExecutedAssignment#page4.tif source=813251_ExecutedAssignment#page5.tif source=813251_ExecutedAssignment#page6.tif	

### ASSIGNMENT

I, Savvas Argyropoulos, a citizen of Greece, residing at Krumme Strasse 74; 10585 Berlin; GERMANY; and

I, Bernhard Feiten, a citizen of Germany, residing at Am Triftpark 13; 13437 Berlin; GERMANY; and

I, Marie-Neige Garcia, a citizen of France, residing at Pintschstrasse 4; 10249 Berlin; GERMANY; and

I, Peter List, a citizen of Germany, residing at Beethovenstrasse 15; 64859 Eppertshausen; GERMANY; and

I, Alexander Raake, a citizen of Germany, residing at Chodowieckistrasse 23; 10405 Berlin, GERMANY;

and each of us, if more than one person is identified above, have invented and own a certain invention entitled:

METHOD AND APPARATUS FOR OBJECTIVE VIDEO QUALITY ASSESSMENT  
BASED ON CONTINUOUS ESTIMATES OF PACKET LOSS VISIBILITY

for which invention International Application No. PCT/EP2011/065192 was filed on September 2, 2011, designating the U.S. and

WHEREAS, Deutsche Telekom AG, having an address at Friedrich-Ebert-Allee 140; 53113 Bonn; Germany,

hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the above patent application.

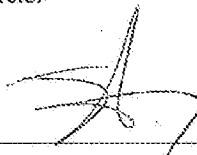
NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I/we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns my/our full and exclusive rights in and to the invention in the U.S. and every foreign country and my/our entire right, title, and interest in and to the patent application and other such applications (e.g., provisional

applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and I/we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

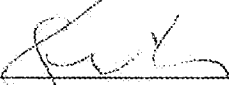
UPON SAID CONSIDERATION, I/we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

I/WE DO HEREBY COVENANT and agree with the Assignee that I/we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that I/we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

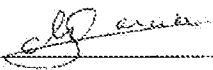
Date 27.5.13

  
Savvas Argyropoulos, Inventor

Date 27.5.2013

  
Bernhard Feiten, Inventor

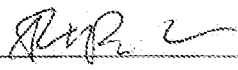
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Marie-Neige Garcia, Inventor

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Savvas Argyropoulos, Inventor

Date \_\_\_\_\_

\_\_\_\_\_  
Bernhard Feiten, Inventor

Date \_\_\_\_\_

\_\_\_\_\_  
Marie-Neige Garcia, Inventor

Date 26 May 2013

Peter List

Peter List, Inventor

Date \_\_\_\_\_

\_\_\_\_\_  
Alexander Raake, Inventor