

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CORINNE LE BUHAN	06/19/2013
CHRISTOPHE NICOLAS	06/26/2013
JOEL CONUS	06/27/2013
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
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<b>NAME OF SUBMITTER:</b>	JENNA NEEDHAM
<b>SIGNATURE:</b>	/Jenna Needham/
<b>DATE SIGNED:</b>	05/06/2019
<b>Total Attachments: 2</b>	
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source=519477USAssignment#page2.tif	

## Assignment of Application

WHEREAS, I (we):

LE BUHAN, Corinne of Les Paccots, Switzerland  
NICOLAS, Christophe of Saint-Prex, Switzerland  
CONUS, Joel of Essertines-sur-Yverdon, Switzerland

respectively, have invented certain new and useful improvements in:

Utility meter for metering a utility consumption and optimizing upstream communications and  
method for managing these communications

for which the following application(s) for Letters Patent was (were) filed on the date(s) indicated below (the "Invention"):

Application No. 13/983,286, Filed: August 1, 2013

(the "Applications(s)"); and

Whereas, NAGRAVISION S.A. (hereinafter referred to as "ASSIGNEE"), having a place of business at Route de Geneve 22-24, Cheseaux-sur-Lausanne, CH-1033 Switzerland is desirous of acquiring the full and exclusive right in and to the Invention and the Application(s) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, I (we), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right in and to the Invention and the Application(s) in the United States and its territorial possessions and in any and all foreign countries, and the entire right, title and interest in and to any and all documents and things relating to the conception, reduction to practice and/or practice of the Invention and all Letters Patent which may be granted for the Invention and/or the Applications in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, continuations, substitutions, renewals and reissues thereof.


I (we) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE and said ASSIGNEE's successors and assigns, to the full end of the term for which said Letters Patent

may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

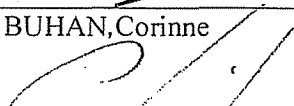
Further, I (we) agree that I (we) will communicate to said ASSIGNEE or said ASSIGNEE's representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally, do everything possible to aid said ASSIGNEE, and said ASSIGNEE's successors and assigns, to obtain and enforce proper protection for said Invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of DLA Piper LLP (US), 500 8th Street, NW, Washington, DC 20004-2131, the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

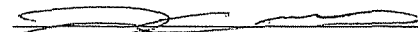
Date: 19<sup>th</sup> June, 2013

  
LE BUHAN, Corinne

Date: 26<sup>th</sup> June, 2013

  
NICOLAS, Christophe

Date: 27<sup>th</sup> June, 2013

  
CONUS, Joel