

## 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>
MICHAEL SCHARF	09/22/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALCATEL-LUCENT
<b>Street Address:</b>	148/152 ROUTE DE LA REINE
<b>City:</b>	BOULOGNE BILLANCOURT
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	92100
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14484688
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	816222(FR)
<b>NAME OF SUBMITTER:</b>	DIANE V. LANE
<b>SIGNATURE:</b>	/Diane V. Lane/
<b>DATE SIGNED:</b>	10/28/2014
<b>Total Attachments: 2</b>	
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## ASSIGNMENT AND AGREEMENT

For value received, I,

Michael SCHARF of Stuttgart, Germany

hereby sell, assign and transfer to **Alcatel-Lucent** a corporation of France, having an office at 148/152 Route de la Reine, Boulogne Billancourt, France 92100, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **SPARSIFICATION OF PAIRWISE COST INFORMATION** described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Alcatel-Lucent the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Alcatel-Lucent to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Alcatel-Lucent to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Alcatel-Lucent in the United States and in all countries foreign to the United States, or to such nominees as Alcatel-Lucent may designate.

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I agree that, when requested, we shall, without charge to Alcatel-Lucent but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Date: Sept. 22, 2014

  
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Michael SCHARF

Alcatel-Lucent  
148/152 Route de la Reine,  
Boulogne Billancourt, France 92100

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