

PATENT ASSIGNMENT COVER SHEET

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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>MICHAEL BRODSKY</td> <td>09/10/2010</td> </tr> <tr> <td>CRISTIAN ANTONELLI</td> <td>09/06/2010</td> </tr> <tr> <td>JUNGMI OH</td> <td>09/03/2010</td> </tr> </tbody> </table>		Name	Execution Date	MICHAEL BRODSKY	09/10/2010	CRISTIAN ANTONELLI	09/06/2010	JUNGMI OH	09/03/2010
Name	Execution Date								
MICHAEL BRODSKY	09/10/2010								
CRISTIAN ANTONELLI	09/06/2010								
JUNGMI OH	09/03/2010								
RECEIVING PARTY DATA									
Name:	AT&T INTELLECTUAL PROPERTY I, L.P.								
Street Address:	645 E. PLUMB LANE								
City:	RENO								
State/Country:	NEVADA								
Postal Code:	89502								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14146307</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14146307				
Property Type	Number								
Application Number:	14146307								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	JOSEPH G. FENSKE								
Signature:	/Joseph G. Fenske/								
Date:	01/02/2014								

Total Attachments: 4

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ASSIGNMENT AND AGREEMENT

For value received, we, Michael Brodsky, of Millburn, in the County of Essex and State of New Jersey, Cristian Antonelli, of Sulmona, Italy and Jungmi Oh, of Daejeon, South Korea, do hereby sell, assign and transfer to AT&T Intellectual Property I, L.P., a partnership of the State of Nevada, having an office at 645 E. Plumb Lane, Reno, Nevada 89502 U.S.A., 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 **Bandwidth Provisioning for an Entangled Photon System**, 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 hereby sell, assign and transfer to AT&T Intellectual Property I, L.P., and its successors, assigns and legal representatives, 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.

We authorize AT&T Intellectual Property I, L.P. 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.

We 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 AT&T Intellectual Property I, L.P. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to AT&T Intellectual Property I, L.P. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Intellectual Property I, L.P. may designate.

We agree that, when requested, we shall, without charge to AT&T Intellectual Property I, L.P. 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: 09/10/2010

Brodsky
Michael Brodsky

United States of America)
State of *New Jersey*)
County of *Monmouth*)

On this 10th day of September, 2010, before me personally came Michael Brodsky, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Dan Pearson
Notary Public

Dan Pearson
Notary Public
New Jersey
My Commission Expires 9-11-2014

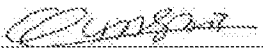
Cristian Antonelli
Cristian Antonelli

09/06/2010
Date

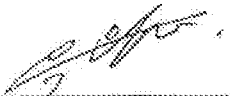
Luisa Gallonardo
Witness Signature

09/06/2010
Date

LUISA GALLONARDO
Print name of witness


Jungmi Oh

September 3, 2010
Date


Witness Signature

September 3, 2010
Date

ok yun - jong
Print name of witness