

# PATENT ASSIGNMENT

Electronic Version v1.1

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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>
Xiang Zhou	06/17/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AT&T Intellectual Property I, L.P.
<b>Street Address:</b>	645 E. Plumb Lane
<b>City:</b>	Reno
<b>State/Country:</b>	NEVADA
<b>Postal Code:</b>	89502
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12821426
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)532-1281
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	908-532-1918
<b>Email:</b>	johnsherman@att.com
<b>Correspondent Name:</b>	AT & T Legal Department - WS Attn: Paten
<b>Address Line 1:</b>	Room 2A-207
<b>Address Line 2:</b>	One AT & T Way
<b>Address Line 4:</b>	Bedminster, NEW JERSEY 07921
<b>ATTORNEY DOCKET NUMBER:</b>	13807.1095
<b>NAME OF SUBMITTER:</b>	Brymer H. Chin
<b>Total Attachments: 2</b> source=2009-1421Assignment#page1.tif source=2009-1421Assignment#page2.tif	

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**PATENT**  
**REEL: 024581 FRAME: 0017**

## ASSIGNMENT AND AGREEMENT

For value received, I, Xiang Zhou, of Holmdel, in the County of Monmouth and State of New Jersey, 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 **Feed-Forward Carrier Phase Recovery for Optical Communications** described in an application for Letters Patent of the United States, executed by me 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 I 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.

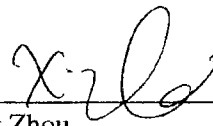
I authorize AT&T Intellectual Property I, L.P. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further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

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 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.

I 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.

I agree that, when requested, I 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: June 17/2010


  
\_\_\_\_\_  
Xiang Zhou

United States of America )

State of New Jersey )

County of Monmouth )

On this 17 day of June, 2010, before me personally came Xiang Zhou, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
\_\_\_\_\_  
Notary Public

**KAREN M. CREDLE  
A NOTARY OF NEW JERSEY  
MY COMMISSION EXPIRES AUGUST 25, 2013**