PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

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<tr>
<th>SUBMISSION TYPE:</th>
<th>NEW ASSIGNMENT</th>
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<td>NATURE OF CONVEYANCE:</td>
<td>ASSIGNMENT</td>
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CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>Xiang Zhou</td>
<td>06/09/2006</td>
</tr>
<tr>
<td>Martin Birk</td>
<td>06/09/2006</td>
</tr>
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RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name:</th>
<th>AT&amp;T Corp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>32 Avenue of the Americas</td>
</tr>
<tr>
<td>City:</td>
<td>New York</td>
</tr>
<tr>
<td>State/Country:</td>
<td>NEW YORK</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>10013-2412</td>
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PROPERTY NUMBERS Total: 1

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<td>Application Number:</td>
<td>11424307</td>
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CORRESPONDENCE DATA

Fax Number: (202)824-3001

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2028243000

Email: mdavis@bannerwitcoff.com

Correspondent Name: Thomas H. Jackson/003493.00535

Address Line 1: 1001 G Street NW, 11th Floor

Address Line 4: Washington, DISTRICT OF COLUMBIA 20001-4597

ATTORNEY DOCKET NUMBER: 003493.00535

NAME OF SUBMITTER: Thomas H. Jackson

Total Attachments: 3

source=Executed Assignment-3493-00535#page1.tif
source=Executed Assignment-3493-00535#page2.tif
source=Executed Assignment-3493-00535#page3.tif
ASSIGNMENT AND AGREEMENT

For value received, we, Xiang Zhou, of Middletown in the County of Monmouth and State of New Jersey, and Martin Birk, of Belford in the County of Monmouth and State of New Jersey, hereby sell, assign and transfer to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, 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 METHOD, APPARATUS AND SYSTEM FOR COST-EFFECTIVE OPTICAL TRANSMISSION WITH FAST RAMAN TILT TRANSIENT CONTROL, 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 AT&T Corp. 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 Corp. 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 Corp. 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 Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.
We agree that, when requested, we shall, without charge to AT&T Corp. 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.

Xiang Zhou

Date: June 9, 2006

United States of America 
State of NJ
County of Monmouth

On this 9th day of June, 2006, 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.

Teresa Sullo
Notary Public

TERESA SULLO
NOTARY OF NEW JERSEY
MY COMMISSION EXP 9/03/09

-2- Patent Assignment and Agreement
Date: 6/9/06

United States of America
State of NJ
County of Monmouth

On this 9th day of June, 2006, before me personally came Martin Birk, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Teresa Sullo
Notary Public

TERESA SULLO
NOTARY OF NEW JERSEY
MY COMMISSION EXP 9/03/09

AT&T Corp.
Room 2A-207
One AT&T Way
Bedminster, New Jersey 07921

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Patent Assignment and Agreement