

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3836260

|                                                                                                                                                                                                 |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                              |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                                  |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                             |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                       |
| WEI ZHAO                                                                                                                                                                                        | 08/22/2003                                  |
| LARA F. MORGAN                                                                                                                                                                                  | 09/09/2003                                  |
| XIAOFENG GAO                                                                                                                                                                                    | 08/22/2003                                  |
| MICHAEL A. OBLON                                                                                                                                                                                | 09/30/2003                                  |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                             |
| <b>Name:</b>                                                                                                                                                                                    | BELLSOUTH INTELLECTUAL PROPERTY CORPORATION |
| <b>Street Address:</b>                                                                                                                                                                          | 824 MARKET STREET                           |
| <b>Internal Address:</b>                                                                                                                                                                        | SUITE 901                                   |
| <b>City:</b>                                                                                                                                                                                    | WILMINGTON                                  |
| <b>State/Country:</b>                                                                                                                                                                           | DELAWARE                                    |
| <b>Postal Code:</b>                                                                                                                                                                             | 19801                                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                             |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                               |
| Application Number:                                                                                                                                                                             | 15058833                                    |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                             |
| <b>Fax Number:</b>                                                                                                                                                                              | (847)510-0710                               |
| <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> |                                             |
| <b>Email:</b>                                                                                                                                                                                   | docketing@ggip.com                          |
| <b>Correspondent Name:</b>                                                                                                                                                                      | AT&T LEGAL DEPARTMENT - GG ATTN: PATENT     |
| <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>                                                                                                                                                                  | 030247CON9_7785-1250-10                     |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | DOUGLAS SCHNABEL                            |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Douglas Schnabel/                          |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 04/19/2016                                  |
| <b>Total Attachments: 5</b>                                                                                                                                                                     |                                             |
| source=7785-1250-10 Assn 1 (Inventors to BellSouth IP)#page1.tif                                                                                                                                |                                             |

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source=7785-1250-10 Assn 1 (Inventors to BellSouth IP)#page4.tif  
source=7785-1250-10 Assn 1 (Inventors to BellSouth IP)#page5.tif

ASSIGNMENT

THIS ASSIGNMENT, made by us, Wei Zhao, citizen of the United States of America, residing at 6080 Millwick Drive, Alpharetta, GA 3005; Lara F. Morgan, a citizen of the United States of America, residing at 4220 River Bottom Drive, Norcross, GA 30092-1300; Xiaofeng Gao, a citizen of the United States of America, residing at 750 Lake Medlock Drive, Alpharetta, GA 30022; and Michael A. Oblon, citizen of the United States of America, residing at 16419 Fox Valley Terrace, Rockville, MD 20853;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) application number and the filing date of said application when known or to file this Assignment concurrently with the application; and

WHEREAS, BellSouth Intellectual Property Corporation, a Corporation of the State of Delaware, having a place of business at 824 Market Street, Suite 901, Wilmington, DE 19801, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee,

its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 22<sup>nd</sup> day of

August, 2003.

Wei Zhao

(SEAL)

Wei Zhao

STATE OF Georgia

) ss:

COUNTY OF Fulton

Before me personally appeared the persons described in and who executed the foregoing instrument, and they acknowledged to me that they executed the same for the purposes therein stated, this 22<sup>nd</sup> day of August, 2003.

Kristin B. Norton  
Notary Public

SEAL

My Commission Expires:

Notary Public, Pike County, Georgia  
My Commission Expires March 30, 2004

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 9 day of  
September, 2003.  
Lara F. Morgan (SEAL)  
Lara F. Morgan

STATE OF Georgia

) ss:

COUNTY OF Fulton

Before me personally appeared the persons described in and who executed the foregoing instrument, and they acknowledged to me that they executed the same for the purposes therein stated, this 9th day of September, 2003.

Debbie Darnell  
Notary Public

SEAL

DEBBIE DARNELL

My Commission Expires: \_\_\_\_\_

Notary Public, Cherokee County, Georgia  
My Commission Expires March 21, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 22<sup>nd</sup> day of August 2003.

Xiaofeng Gao (SEAL)  
Xiaofeng Gao

STATE OF Georgia

) ss:

COUNTY OF Fulton

Before me personally appeared the persons described in and who executed the foregoing instrument, and they acknowledged to me that they executed the same for the purposes therein stated, this 20<sup>th</sup> day of August 2003.

Kristen B. Hester  
Notary Public

SEAL

My Commission Expires: \_\_\_\_\_

Notary Public, Pike County, Georgia  
My Commission Expires March 30, 2004

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 30<sup>th</sup> day of September, 2003.

Michael A. Oblon (SEAL)  
Michael A. Oblon

STATE OF )

) ss:

COUNTY OF )

Before me personally appeared the persons described in and who executed the foregoing instrument, and they acknowledged to me that they executed the same for the purposes therein stated, this 30<sup>th</sup> day of September, 2003.

Katherine Murphy  
Notary Public

SEAL

My Commission Expires: May 31, 2005

Page 5 of 5

RECORDED: 08/12/2014

PATENT  
REEL: 033515 FRAME: 0180

RECORDED: 04/19/2016

PATENT  
REEL: 038463 FRAME: 0813