

**PATENT ASSIGNMENT**

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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>
Maria Adamczyk	11/13/2003
Thomas Arnold Anschutz	11/07/2003
Edgar Vaughan Shrum Jr.	11/07/2003
Steven Allan Wright	11/07/2003
Li Zhang	11/10/2003
<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>
<b>Application Number:</b>	12496028
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)854-1401
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	9198541400
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<b>Correspondent Name:</b>	Michele P. McMahan
<b>Address Line 1:</b>	4140 Parklake Avenu
<b>Address Line 4:</b>	Raleigh, NORTH CAROLINA 27612
<b>ATTORNEY DOCKET NUMBER:</b>	9400-49CT
<b>NAME OF SUBMITTER:</b>	Michele P. McMahan

**CH \$40.00 12496028**

**Total Attachments: 7**

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ASSIGNMENT

THIS ASSIGNMENT, **Maria Adameczyk**, citizen of Canada, residing at 425 Seale Trail, Alpharetta, GA 30022; **Thomas Arnold Anschutz**, citizen of the United States of America, residing at 2604 High Street, Conyers, GA 30094; **Edgar Vaughan Shrum, Jr.**, citizen of the United States of America, residing at 1202 Kenway Circle, Smyrna, GA 30082; **Steven Allan Wright**, citizen of Australia, residing at 125 Old Alabama Place, Roswell, GA 30076; and **Li Zhang**, citizen of Canada, residing at 1119 Breckenridge Lane, Alpharetta, GA 30005;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS, COMPUTER PROGRAM PRODUCTS, AND SYSTEMS FOR MANAGING QUALITY OF SERVICE IN A COMMUNICATION NETWORK FOR APPLICATIONS** 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 \_\_\_\_\_) the filing date and application number 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

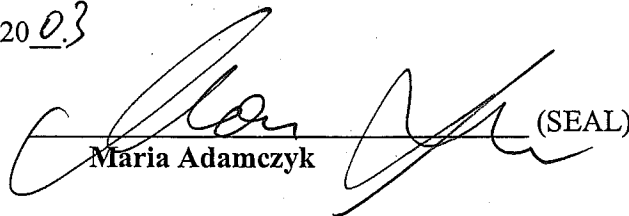
therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be 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.

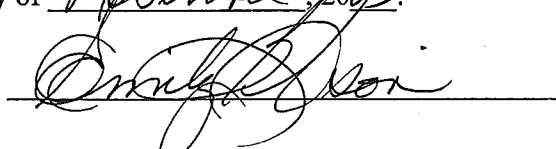
We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of 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 13 day of Nov, 2003

 (SEAL)  
Maria Adamczyk

STATE OF GEORGIA )  
COUNTY OF Fulton ) ss:

Before me personally appeared the persons described in and who executed the foregoing instrument, and she acknowledged to me that she executed the same for the purposes therein stated, this 13<sup>th</sup> day of November, 2003.



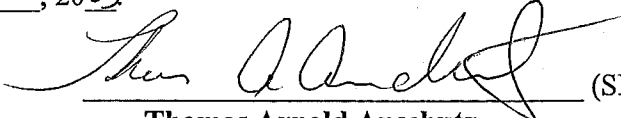
Notary Public

My Commission Expires September 29, 2007

SEAL

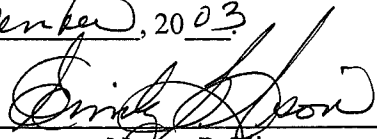
My Commission Expires: \_\_\_\_\_

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 7<sup>th</sup> day  
of November, 2003

  
\_\_\_\_\_  
**Thomas Arnold Anschutz** (SEAL)

STATE OF GEORGIA )  
COUNTY OF DeKalb ) ss:

Before me personally appeared the persons described in and who executed the  
foregoing instrument, and he acknowledged to me that he executed the same for the purposes  
therein stated, this 7<sup>th</sup> day of November, 2003

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

SEAL

My Commission Expires: \_\_\_\_\_ My Commission Expires September 29, 2007

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 7 day  
of November, 2003

Edgar Vaughan Shrum, Jr. (SEAL)  
Edgar Vaughan Shrum, Jr.

STATE OF GEORGIA )  
COUNTY OF Jefferson ) ss:

Before me personally appeared the persons described in and who executed the  
foregoing instrument, and he acknowledged to me that he executed the same for the purposes  
therein stated, this 7th day of November, 2003.

Emily Brown  
Notary Public

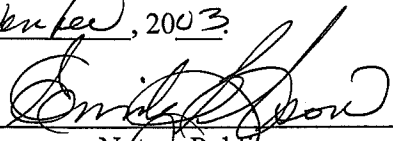
SEAL  
My Commission Expires: \_\_\_\_\_ My Commission Expires September 29, 2007

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 7 day  
of November, 2003

  
\_\_\_\_\_  
Steven Allan Wright (SEAL)

STATE OF GEORGIA )  
COUNTY OF Fulton ) ss:

Before me personally appeared the persons described in and who executed the  
foregoing instrument, and he acknowledged to me that he executed the same for the purposes  
therein stated, this 7<sup>th</sup> day of December, 2003.

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

SEAL  
My Commission Expires: \_\_\_\_\_  
My Commission Expires September 29, 2007



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 10<sup>th</sup> day  
of Nov, 2003

  
\_\_\_\_\_  
Li Zhang

(SEAL)

STATE OF GEORGIA )

COUNTY OF Fulton )

ss:

Before me personally appeared the persons described in and who executed the  
foregoing instrument, and he acknowledged to me that he executed the same for the purposes  
therein stated, this 10<sup>th</sup> day of December, 2003.

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

SEAL

My Commission Expires: \_\_\_\_\_ My Commission Expires September 29, 2007