

Form PTO-1595  
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01-30-2004

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office



102658412

To the Honorable Commissioner of Patents and Trademarks, please return the attached original documents or copy thereof.

1. Name of conveying party(ies): 1-27-04  
**Donna, K. Hodges, Barrett M. Kreiner, Steven N. Tischer,  
Tommy W. Walton, Thomas W. Rehkopf and Jai P. Menon**  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: BellSouth Intellectual Property Corporation  
Internal Address: \_\_\_\_\_  
\_\_\_\_\_  
Street Address: 824 Market Street, Suite 901  
City: Wilmington State: DE Zip: 19801  
Additional name(s) and address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
Other  
Execution Date of Assignment : September 10, 2003,  
January 9, 2004, September 9, 2003, September 11,  
2003, August 30, 2003 and January 19, 2004

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No.(s) 10/446,569  
B. Patent No.(s) \_\_\_\_\_  
Additional number(s) attached?  Yes  No


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5. Name and address of party to whom correspondence concerning document should be mailed.  
Name: Robert V. Racunas, Jr., Esq.  
Internal Address: Kirkpatrick & Lockhart LLP  
Henry W. Oliver Building  
Street Address: 535 Smithfield Street  
City: Pittsburgh State: PA Zip: 15222-2312

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41) \$40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: \_\_\_\_\_  
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
Robert V. Racunas, Jr.  1/27/04  
Name of Person Signing Signature Date  
Total number of pages including cover sheet, attachments, and documents: 14

Mail documents to be recorded with required cover sheet information to:  
Mail Stop: Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box: 1450, Alexandria, VA 22313-1450

01/29/2004 ECOOPER 00000153 10446569  
01 FC:8021 40.00 DP

## Assignment

WHEREAS, I, **Donna K. Hodges**, a citizen of the USA, residing at 2095 Cedar Point Lane, City of Cumming, State of Georgia, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled **SERVICE-ORIENTED ARCHITECTURE SYSTEMS AND METHODS** executed on even date herewith, and listing as inventor(s): **Donna, K. Hodges, Barrett M. Kreiner, Steven N. Tischler, Thomas W. Walton, Thomas W. Rehkopf and Jai P. Menon**;

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, is desirous of acquiring title in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, **Donna K. Hodges**, do sell, assign and transfer unto **BellSouth Intellectual Property Corporation**, full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to all patents, reexaminations, and reissues that may be granted in the United States for the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications or aforementioned applications; I also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and I hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a divisional, continuation, continuation-in-part, or reissue thereof, to, **BellSouth Intellectual Property Corporation** as Assignee, for their interest and for the sole use of **BellSouth Intellectual Property Corporation** and their assigns and legal representatives;

For the same consideration, I, do sell, assign and transfer to **BellSouth Intellectual Property Corporation** the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **BellSouth Intellectual Property Corporation** and or their respective designees, insofar as permitted by applicable law;

AND, for the same consideration, I agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reexamination, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **BellSouth Intellectual**

Property Corporation, their successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Donna K Hodges  
09.10.03

Date

**Donna K. Hodges**

STATE OF GA

COUNTY OF Forsyth

Before me, a Notary Public in and for the State of GA, on this 10 day of Sept, 2003, personally appeared Donna K. Hodges, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

David R. Nix

NOTARY PUBLIC

My Commission Expires: 10/11/03

DAVID R. NIX  
MY COMMISSION EXPIRES  
OCTOBER 11, 2003  
FORSYTH COUNTY, GEORGIA  
NOTARY PUBLIC

Attorney Docket No. 020328 BS No. 02294

### Assignment

WHEREAS, I, **Barrett M. Kreiner**, a citizen of the USA, residing at 3450 Jones Mill Road #717, City of Norcross, State of Georgia, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled **SERVICE-ORIENTED ARCHITECTURE SYSTEMS AND METHODS** executed on even date herewith, and listing as inventor(s): **Donna, K. Hodges, Barrett M. Kreiner, Steven N. Tischer, Thomas W. Walton, Thomas W. Rehkopf and Jai P. Menon**;

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, is desirous of acquiring title in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, **Barrett M. Kreiner**, do sell, assign and transfer unto **BellSouth Intellectual Property Corporation**, full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to all patents, reexaminations, and reissues that may be granted in the United States for the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications or aforementioned applications; I also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and I hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a divisional, continuation, continuation-in-part, or reissue thereof, to, **BellSouth Intellectual Property Corporation** as Assignee, for their interest and for the sole use of **BellSouth Intellectual Property Corporation** and their assigns and legal representatives;

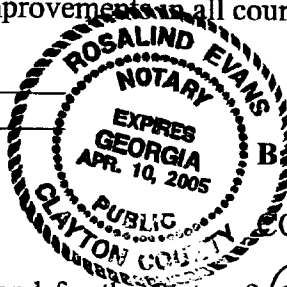
For the same consideration, I, do sell, assign and transfer to **BellSouth Intellectual Property Corporation** the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **BellSouth Intellectual Property Corporation** and or their respective designees, insofar as permitted by applicable law;

AND, for the same consideration, I agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reexamination, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **BellSouth Intellectual**

Property Corporation, their successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Barrett M. Kreiner

Date 1/9/2003



Barrett M. Kreiner

STATE OF Georgia

COUNTY OF Clayton

Before me, a Notary Public in and for the State of Georgia, on this 9 day of JANUARY, 2003, personally appeared Barrett M. Kreiner who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Rosalind Evans

NOTARY PUBLIC

My Commission Expires: April 10, 2005

## Assignment

WHEREAS, I, **Steven N. Tischer**, a citizen of the USA, residing at 831 Amsterdam Avenue, City of Atlanta, State of Georgia, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled **SERVICE-ORIENTED ARCHITECTURE SYSTEMS AND METHODS** executed on even date herewith, and listing as inventor(s): **Donna, K. Hodges, Barrett M. Kreiner, Steven N. Tischer, Thomas W. Walton, Thomas W. Rehkopf and Jai P. Menon**;

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, is desirous of acquiring title in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, **Steven N. Tischer**, do sell, assign and transfer unto **BellSouth Intellectual Property Corporation**, full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to all patents, reexaminations, and reissues that may be granted in the United States for the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications or aforementioned applications; I also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and I hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a divisional, continuation, continuation-in-part, or reissue thereof, to, **BellSouth Intellectual Property Corporation** as Assignee, for their interest and for the sole use of **BellSouth Intellectual Property Corporation** and their assigns and legal representatives;

For the same consideration, I, do sell, assign and transfer to **BellSouth Intellectual Property Corporation** the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **BellSouth Intellectual Property Corporation** and or their respective designees, insofar as permitted by applicable law;

AND, for the same consideration, I agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reexamination, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **BellSouth Intellectual**

Property Corporation, their successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

STN Jr

Date

9 SEP 03

Steven N. Tischer

STATE OF

Georgia

COUNTY OF

Fulton

Before me, a Notary Public in and for the State of Georgia, on this 9 day of September, 2003, personally appeared Steven N. Tischer, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Janice E Padgett  
NOTARY PUBLIC

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

**Notary Public, Gwinnett County, Georgia  
My Commission Expires Feb. 18, 2004**

## Assignment

WHEREAS, I, **Tommy W. Walton**, a citizen of the USA, residing at 909 Sheridan Drive, City of Birmingham, State of Alabama, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled **SERVICE-ORIENTED ARCHITECTURE SYSTEMS AND METHODS** executed on even date herewith, and listing as inventor(s): **Donna, K. Hodges, Barrett M. Kreiner, Steven N. Tischer, Tommy W. Walton, Thomas W. Rehkopf and Jai P. Menon;**

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, is desirous of acquiring title in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, **Tommy W. Walton**, do sell, assign and transfer unto **BellSouth Intellectual Property Corporation**, full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to all patents, reexaminations, and reissues that may be granted in the United States for the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications or aforementioned applications; I also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and I hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a divisional, continuation, continuation-in-part, or reissue thereof, to, **BellSouth Intellectual Property Corporation** as Assignee, for their interest and for the sole use of **BellSouth Intellectual Property Corporation** and their assigns and legal representatives;

For the same consideration, I, do sell, assign and transfer to **BellSouth Intellectual Property Corporation** the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **BellSouth Intellectual Property Corporation** and or their respective designees, insofar as permitted by applicable law;

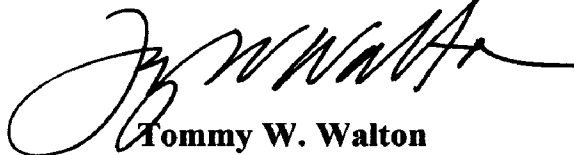
AND, for the same consideration, I agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reexamination, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **BellSouth Intellectual**



Property Corporation, their successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

\_\_\_\_\_  
Date

9-11-2003

  
Tommy W. Walton

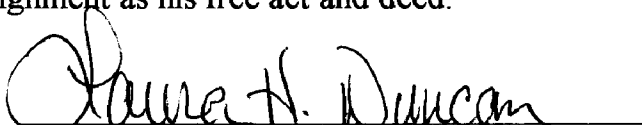
STATE OF

Georgia

COUNTY OF

Fulton

Before me, a Notary Public in and for the State of Georgia, on this 11 day of September, 2003, personally appeared Tommy Walton, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

  
NOTARY PUBLIC

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

Notary Public, Gwinnett County, Georgia  
My Commission Expires Aug. 27, 2004

## Assignment

WHEREAS, I, **Thomas W. Rehkopf**, a citizen of the USA, residing at 270 Lakemont Drive, City of Roswell State of Georgia, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled **SERVICE-ORIENTED ARCHITECTURE SYSTEMS AND METHODS** executed on even date herewith, and listing as inventor(s): **Donna, K. Hodges, Barrett M. Kreiner, Steven N. Tischer, Thomas W. Walton, Thomas W. Rehkopf and Jai P. Menon;**

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, is desirous of acquiring title in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, **Thomas W. Rehkopf**, do sell, assign and transfer unto **BellSouth Intellectual Property Corporation**, full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to all patents, reexaminations, and reissues that may be granted in the United States for the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications or aforementioned applications; I also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and I hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a divisional, continuation, continuation-in-part, or reissue thereof, to, **BellSouth Intellectual Property Corporation** as Assignee, for their interest and for the sole use of **BellSouth Intellectual Property Corporation** and their assigns and legal representatives;

For the same consideration, I, do sell, assign and transfer to **BellSouth Intellectual Property Corporation** the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **BellSouth Intellectual Property Corporation** and or their respective designees, insofar as permitted by applicable law;

AND, for the same consideration, I agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reexamination, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **BellSouth Intellectual**

Property Corporation, their successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Thomas W. Rehkopf

Date

Aug. 30, 2003

**Thomas W. Rehkopf**

STATE OF

Georgia

COUNTY OF

Cobb

Before me, a Notary Public in and for the State of Georgia, on this 30 day of August, 2003, personally appeared Thomas W. Rehkopf, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Phillip B. Becker

NOTARY PUBLIC

Aug 30, 2003

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

Notary Public, DeKalb County, Georgia  
My Commission Expires July 31, 2007

## Assignment

WHEREAS, I, **Jai P. Menon**, a citizen of the USA, residing at 1041 Abingdon Lane, City of Alpharetta, State of Georgia, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled **SERVICE-ORIENTED ARCHITECTURE SYSTEMS AND METHODS** executed on even date herewith, and listing as inventor(s): **Donna, K. Hodges, Barrett M. Kreiner, Steven N. Tischer, Thomas W. Walton, Thomas W. Rehkopf and Jai P. Menon**;

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, is desirous of acquiring title in the same;

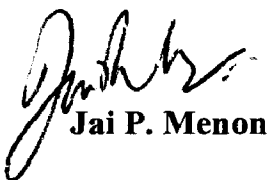
NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, **Jai P. Menon**, do sell, assign and transfer unto **BellSouth Intellectual Property Corporation**, full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to all patents, reexaminations, and reissues that may be granted in the United States for the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications or aforementioned applications; I also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and I hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a divisional, continuation, continuation-in-part, or reissue thereof, to, **BellSouth Intellectual Property Corporation** as Assignee, for their interest and for the sole use of **BellSouth Intellectual Property Corporation** and their assigns and legal representatives;

For the same consideration, I, do sell, assign and transfer to **BellSouth Intellectual Property Corporation** the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **BellSouth Intellectual Property Corporation** and or their respective designees, insofar as permitted by applicable law;

AND, for the same consideration, I agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reexamination, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **BellSouth Intellectual**

Property Corporation, their successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

\_\_\_\_\_  
January 19, 2004  
\_\_\_\_\_  
Date

  
**Jai P. Menon**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

Before me, a Notary Public in and for the State of \_\_\_\_\_, on this \_\_\_\_\_ day of \_\_\_\_\_, 2003, personally appeared \_\_\_\_\_, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

\_\_\_\_\_  
NOTARY PUBLIC

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