To the Director of the 102570102 1. Name of conveying part(ies): 1) John F. Cline, 2) Roger K. Ruppert, 3) Joseph H. Myers, Jr. Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance:	FORM PTO-1595	10-08-2003	M COVER SHEET U.S. DEPARTMENT OF COMMERCE	
1. Name of conveying part(jes): 1) John F. Cline, 2) Roger K. Ruppert, 3) Joseph H. Myers, Jr. Additional name(s) of conveying party(jes) attached? Yes No Street Address: 824 Market Street, Suite 901 Wilmington, DE 19801 Additional name(s) & address(es) attached? Yes No Street Address: 824 Market Street, Suite 901 Wilmington, DE 19801 Additional name(s) & address(es) attached? Yes No 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) B. Patent No.(s) 4. Application numbers of applications patents involved: # Total fee (37 CFR 3.41) \$40.00 Corporation Street Address: 824 Market Street, Suite 901 Wilmington, DE 19801 Additional name(s) & address(es) attached? Yes No Additional name(s) & address(es) attached? Yes	1 '		ONLY U.S. Palent and Trademark Office	
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Myers, Jr. Corporation Street Address: 824 Market Street, Suite 901 Wilmington, DE 19801	· -		Name and address of receiving party(ies)	
Additional name(s) of conveying party(les) attached? Yes No 3. Nature of conveyance: Assignment Change of Name Cha				
3. Nature of conveyance: Assignment	Additional name(s) of conveying party(ies) attached? ☐Yes ☐No		· · · · · · · · · · · · · · · · · · ·	
Assignment			Additional name(s) & address(es) attached? Yes No	
A. Patent application No.(s) B. Patent No.(s) 10/611,206 Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41) \$ 40.00 Jeffrey R. Kuester Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339-5948 8. Deposit Account Number: 20-0778 (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 frue and correct and any attached copy is a true copy of the original document. Jeffrey R. Kuester Typed Name Signature Date	Nature of conveyance:			
A. Patent application No.(s) B. Patent No.(s) 10/611,206 Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41) \$ 40.00 Jeffrey R. Kuester Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339-5948 8. Deposit Account Number: 20-0778 (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 frue and correct and any attached copy is a true copy of the original document. Jeffrey R. Kuester Typed Name Signature Date	Security Agreement		OPR.	
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Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: Jeffrey R. Kuester Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339-5948 Authorization to charge credit card (attached)	If this document is being filed together with a new application, the execution date of the application is: $\stackrel{>}{\sim}$			
Additional numbers attached? ☐ Yes ☒No 5. Name and address of party to whom correspondence concerning document should be mailed: Jeffrey R. Kuester Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway, Suite 1750	A. Patent application No.(s)		B. Patent No.(s)	
5. Name and address of party to whom correspondence concerning document should be mailed: Jeffrey R. Kuester Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339-5948 Altanta, Georgia 30339-5948	10/611,206			
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Typed Name Signature Date	To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a			
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Mail documents to be recorded with required cover sheet information to:

10/07/2003 LIMELLER 00000198 10611206

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Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office

P.O. Box 1450 Alexandria, Virginia 22313-1450

> PATENT REEL: 014557 FRAME: 0845

PATENT ASSIGNMENT

WHEREAS, I, John F. Cline, a citizen of the USA, residing at 1702 Windsor Chase Ct., City of Lawrenceville, State of Georgia, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled Diagnostic Checking of an Inter-Messaging Network, filed with the United States Patent and Trademark Office on June 30, 2003, assigned serial number 10/611,206, and listing as inventor(s): John F. Cline, Roger K. Ruppert, Joseph H. Myers, Jr.;

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 an interest in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, John F. Cline, by these presents do sell, assign and transfer unto BellSouth Intellectual Property Corporation, the 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 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 any 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 division, continuation, continuation-in-part, or reissue thereof, to, BellSouth Intellectual Property Corporation as

Assignee, for their interest and for the sole use and behoof of BellSouth Intellectual Property Corporation and their assigns and legal representatives;

For the same consideration, I, by these presence 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, 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 John E. Cline

STATE OF

Before me, a Notary Public in and for the State of , on this

2, 200 3 personally appeared John E Cline, who being duly sworn, signed

and acknowledged the foregoing Assignment as his free act and deed.

NOTARX PUBLIC

My Commission Expires Dec. 18, 2005

My Commission Expires Dec. 18, 2005

PATENT ASSIGNMENT

WHEREAS, I, Roger K. Ruppert, a citizen of the USA, residing at 437 Monroe Way, City of Kennesaw, State of Georgia, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled Diagnostic Checking of an Inter-Messaging Network, filed with the United States Patent and Trademark Office on June 30, 2003, assigned serial number 10/611,206, and listing as inventor(s): John F. Cline, Roger K. Ruppert, Joseph H. Myers, Jr.;

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 an interest in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, Roger K. Ruppert, by these presents do sell, assign and transfer unto BellSouth Intellectual Property Corporation, the 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 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 any 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 division, continuation, continuation-in-part, or reissue thereof, to, BellSouth Intellectual Property Corporation as

Assignee, for their interest and for the sole use and behoof of BellSouth Intellectual Property Corporation and their assigns and legal representatives;

For the same consideration, I, by these presence 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, 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.

8/1/2003 Date

STATE OF CA

COUNTY OF

Before me, a Notary Public in and for the State of A, on this day of

, 2005 personally appeared Roger K. Ruppert, who being duly sworn,

signed and acknowledged the foregoing Assignment as his free act and deed.

NOTARY PUBLIC

My Commission Completion Explore Dec. 16, 2000

PATENT ASSIGNMENT

WHEREAS, I, Joseph H. Myers, Jr., a citizen of the USA, residing at 1746 Tecumseh Trail, City of Pelham, State of Alabama, have invented certain inventions and improvements disclosed in an application for United States Letters Patent entitled Diagnostic Checking of an Inter-Messaging Network, filed with the United States Patent and Trademark Office on June 30, 2003, assigned serial number 10/611,206, and listing as inventor(s): John F. Cline, Roger K. Ruppert, Joseph H. Myers, Jr.;

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 an interest in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, Joseph H. Myers, Jr., by these presents do sell, assign and transfer unto BellSouth Intellectual Property Corporation, the 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 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 any 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 division, continuation, continuation-in-part, or reissue thereof, to, BellSouth

> PATENT REEL: 014557 FRAME: 0850

Intellectual Property Corporation as Assignee, for their interest and for the sole use and behoof of BellSouth Intellectual Property Corporation and their assigns and legal representatives;

For the same consideration, I, by these presence 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, 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.

an said inventions and improvements in an obtained infoughout the world.
8/4/2003 Date Joseph H. Myers, Jr.
STATE OF Melby COUNTY OF Shelby
Before me, a Notary Public in and for the State of U, on this 4th day of
Lugust, 2003, personally appeared Joseph H. Myers, Jr., who being duly sworn,
signed and acknowledged the foregoing Assignment as his free act and deed.
NOTARY PUBLIC MY COMMISSION EXPIRES JUNE 12, 2007
My Commission Expires:

RECORDED: 10/06/2003 REEL: 014557 FRAME: 0851