Patent and Trademark Office Control No. (Sp. 497/2001 LAGELLER 0,000320 €10456 0 79842986) Patent and Trademark Office Control No. (Sp. 1000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Docket No.: 1846(42059-01280)
To the Honorable Commissioner of Patterns and 101710433 attached original documents or copy thereof. 1. Name of conveying party(les): Paul D. Jaramillo Ronald J. Egan Steven E. Norby Additional names(s) of conveying party(les): Name: Qwest Communications International, Inc. Internal Address: Additional names(s) of conveying party(les): Name: General Carlos of Conveying party(les): Name: Qwest Communications International, Inc. Internal Address: Internal Address: Internal Address: Street Address: 1801 California Street City: Denver State: CO ZIP: 80202 Additional name(s) & address(es) attached?	(Rev. 6-93)	IBBIN	T U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Paterns and 100710433 attached original documents or copy thereof. 1. Name of conveying party(les): Jafar N. Nahod Paul D. Jaramillo Ronald J. Egan Steven E. Norby Additional names(s) of conveying party(les): Jafar N. Nahod Paul D. Jaramillo Ronald J. Egan Steven E. Norby 3. Nature of conveyance: Assignment			_
1. Name of conveying party(les):		101710433	attached original documents or copy thereof
Name: Qwest Communications International, Iac.	The state of the s	1 Hademana,	
Ronald J. Egan Steven E. Norty Additional names(s) of conveying party(ies) Yes M No 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other City: Denver State: CO ZIP: 80202 Execution Date: April 24, 2001 Additional name(s) & address(es) attached? Yes M No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: April 25, 2001 A. Patent Application No.(s) B. Patent No.(s) 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Kenneth J. Johnson, Esq. 7. Total fee (37 CFR 3.41):	Jafar S. Nabkel	z. Wallo alla	address of reserving party(iss).
Additional names(s) of conveying party(ies)	Ronald J. Egan	Name: <u>Qw</u>	rest Communications International, Inc.
Additional names(s) of conveying party(les)	Steven E. Norby	Internal Add	dress:
Street Address: 1801 California Street Street Address: 1801 California Street Street Address: 1801 California Stre	Additional names(s) of conveying party(ies)	′es ⊠ No	%S = €
Security Agreement	3. Nature of conveyance:		
Execution Date: April 24, 2001 4. Application number(s) or registration numbers(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) 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Kenneth J. Johnson, Esq. Internal Address: Marsh Fischmann & Broyfogle, LLP Street Address: 3151 South Vaughn Way Suite 411 City: Aurora State: CO ZIP: 80014 City: Denver State: CO ZIP: 80014 Additional name(s) & address(es) attached?		Street Addr	
Additional name(s) & address(es) attached?	☐ Security Agreement ☐ Change	e of Name	
4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: April 25, 2001 A. Patent Application No.(s) B. Patent No.(s) 8. Patent No.(s) 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Kenneth J. Johnson, Esq. Internal Address: Marsh Fischmann & Broyfogle, LLP Internal Address: Marsh Fischmann & Broyfogle, LLP Street Address: 3151 South Vaughn Way Suite 411 City: Aurora State: CO ZIP: 80014 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. Kenneth J. Johnson, Esq. Name of Person Signing Signature Pate April 25, 2001 B. Patent No.(s) 8. Patent No.(s) 8. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41):	☐ Other	City: Denve	State: CO ZIP: 80202
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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. Kenneth J. Johnson, Esq. Name of Person Signing Signature Date			
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REEL: 011772 FRAME: 0041

Attorney Docket: 1846 (42059-01280)

ASSIGNMENT

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, Jafar S. Nabkel of 1630 30th Street, No. 603, Boulder, CO 80301, Paul D. Jaramillo of 11814 Gray Court, Westminister, CO 80020, Ronald J. Egan of 2282 S. Oakland Way, Aurora, CO 80014, and Steven E. Norby of 1812 Scarsdale Court, Lafayette, CO 80026 respectively, do hereby assign, sell and set over to QWEST COMMUNICATIONS INTERNATIONAL, INC., Inc., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 1801 California Street, Denver, Colorado 80202, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in:

METHOD AND SYSTEM FOR DYNAMIC SERVICE CLASSIFICATION AND INTEGRATED SERVICE CONTROL

set forth in the application for United States Letters Patent, file herewith, including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and we hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights or priority in and to said inventions and discoveries in all countries.

And we hereby agree for ourselves, heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And we hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

-1-

PATENT REEL: 011772 FRAME: 0042

Date: 4-24-01		By: Jan -	S. Nhekel
		Jafar S. Nabke	
STATE OF Close	do)	J	
STATE OF Closes	der)		
Jafar S. Nabkel, to me	f, 200/pe known to be the person nan ne executed the same for the	ned in and who execute	ed the above instrument,
(SEAL)	HOPE HAMILTON Notary Public, State of Colorado County of Boulder My Commission Expires July 31, 2	Notary	Public
Date: <u>04-24-2001</u>		By: PaulD.	aram th
		Paul D. Jarami	illo
STATE OF Close	do)		
STATE OF Close	des. ss.		
	me known to be the per		no executed the above
instrument, and acknowl mentioned.	edged that she executed t		and purposes therein
(SEAL)	Notary Public, State of Colorado County of Boulder My Commission Experience of the Colorado	Notary	Public
My Commission expires:	My Commission Fybria John		
	HOPE HAMILTON Notary Public, State of Colorado County of Boulder My Commission Expires July 31, 23		

-2-

Date: 04-24-2001		By:		502	
		•	Ronald J. Egan		
STATE OF Colores COUNTY OF Baulo	do			\ <u>\</u>	
COUNTY OF Baula	les ss.				
On this <u>24</u> day of Ronald J. Egan, to me k	, 200/, pe	ersonal ned in a	ly appeared before r	ne	—— ment
and acknowledged that she					<u></u>
(SEAL)	HOPE HAMILTON Notary Public, State of Colorado County of Boulder My Commission Expires July 31,	,	Notary Pub	lic	and the second
My Commission expires:_	My Commission Expires July 31,	2001			
Date: 4-24-2001		Ву:	Stever E. Norby	My	_
STATE OF Colora	do		•		ı
STATE OF Colera COUNTY OF Sould	es) ss.				
On this <u>24</u> day of Steven R. Norby, to	me known to be the pers		ly appeared before remed in and who ex		
instrument, and acknowle mentioned.	edged that she executed t	the san	ne for the uses and	d purposes th	erein
(SEAL)	HOPE HAMILTON Notary Public, State of Colorade County of Boulder		Notary Pub	lic	7
My Commission expires:	My Commission Expires July 31, 2	00/			

-3-