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10-15-2002

Attorney Docket No. 20366-083300

Form PTO-1595
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)



U.S. Department of Commerce
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):
Thomas Schwengler, Patrick L. Perini and Brian Arend
Additional name(s) of conveying parties attached? Yes No.

2. Name and address of receiving party(ies)
Name: Qwest Communications International Inc (Patent Prosecution)
Internal Address: _____
Street Address: 1801 California Street, Suite 3800
City: Denver State: CO ZIP: 80202
Additional names and addresses attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____
Execution Date: June 15, 19 and 24, 2002

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): 10/196,889
B. Patent No(s): _____
Additional numbers attached? Yes No

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

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Irvin E. Branch
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(303) 571-4000 Denver

8. Deposit account number: 20-1430
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9. Statement and signature.
To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Irvin E. Branch
Name of Person Signing
Atty. Reg. No. 42,358

Signature

October 2, 2002
Date

Total number of pages including cover sheet, attachments and document 5

10/11/2002 TDIAZI 00000099 201430 10196889
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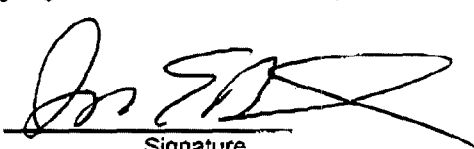
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07-19-2002

Attorney Docket No. 20366-083300

Form PTO-1595 (Rev. 03-01) OMB No. 0651-0027 (exp. 5/31/2002)		Barcode 102161444		Cover Sheet Y		U.S. Department of Commerce U.S. Patent and Trademark Office	
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof							
1. Name of conveying party(ies): Thomas Schwengler, Patrick E. Perini and Brian Arend <i>7-19-02</i>				2. Name and address of receiving party(ies) Name: <u>Qwest Communications International Inc (Patent Prosecution)</u> Internal Address: _____ Street Address: <u>1801 California Street, Suite 3800</u> City: <u>Denver</u> State: <u>CO</u> ZIP: <u>80202</u> Additional names and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.							
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____							
Execution Date: <u>June 15, 19 and 24, 2002</u>							
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):				B. Patent No(s):			
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No							
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Irvin E. Branch</u> <u>TOWNSEND AND TOWNSEND AND CREW LLP.</u> <u>Two Embarcadero Center, 8th Floor</u> <u>San Francisco, California 94111-3834</u> <u>(303) 571-4000 Denver</u>				6. Total number of applications and patents involved <u>1</u>			
				7. Total fee (37 CFR 3.41): <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account			
				8. Deposit account number: <u>20-1430</u> (Attach duplicate copy of this page if paying by deposit account)			
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9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.</i>							
<u>Irvin E. Branch</u> Name of Person Signing Atty. Reg. No. 42,358		 Signature			<u>July 16, 2002</u> Date		

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 ASSIGNMENT DIV

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 01 FD:581 40.00 CH

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Thomas Schwengler of 2152 South Holland Street, Lakewood, CO 80227; Patrick L. Perini of 9679 Yukon Court, Broomfield, CO 80303; Brian Arend of 18124 Flynn Drive, Unit 3204, Canyon Country, CA 91387; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: POWER UTILIZATION ENHANCEMENT SYSTEM AND
METHOD FOR MOBILE MESH NETWORKS UNITS

Date(s) of execution of Declaration: June 15, 19 and 24, 2002

Filing Date: 07/16/02

Application No.: 10/196,889; and

WHEREAS, Qwest Communications International Inc (Patent Prosecution), a corporation of the state of Delaware, located at Law Department, 1801 California Street, Suite 3800, Denver, CO, 80202-2658, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

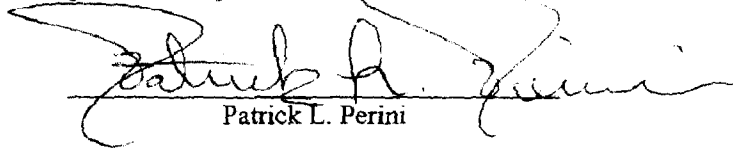
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: June 24TH, 2002

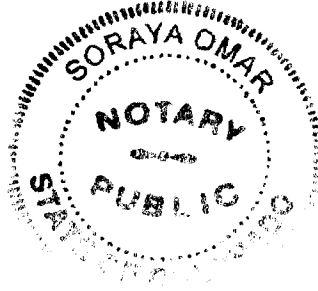
Thomas Schwengler
Thomas Schwengler

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 6-17-02


Patrick L. Perini

SUBSCRIBED AND AFFIRMED, OR SWORN TO BEFORE
ME IN THE COUNTY OF Jefferson STATE OF COLO-
RADO THE 17th DAY OF June 2002
Soraya Omar
NOTARY PUBLIC STATE OF COLORADO
My Commission expires _____



My Commission Expires 01/23/2006

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

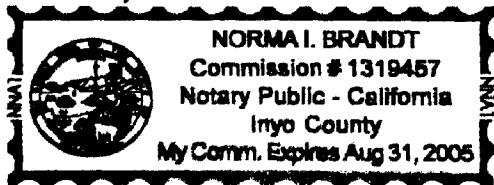
Dated: 6/15/2002

Brian Arend
Brian Arend

STATE OF CALIFORNIA)
)
COUNTY OF) ss.

On June 15, 2002, before me, Norma Brandt, Notary Public, personally appeared Brian Arend, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Norma Brandt
NOTARY PUBLIC

My Commission Expires: 8/31/05