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To the Honorable Commissioner of	Paterus and Trademarks.	Please record the attached	d original documents or copy thereof	ρ =	
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Dieter Zerressen	スメングア	Name: Owest Co.	mmunications International Inc		
Additional name(s) of conveying party(ies) attached	ed? 🗌 Yes 🛛 No.	Internal Address: L	aw Department		
3. Nature of conveyance:		Street Address: 18	01 California, Suite 3800	85	
	Merger		State: <u>CO</u> ZIP: <u>80202-265</u>	i8	
☐ Security Agreement ☐	Change of Name				
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Execution Date: December 20, 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: December 20, 2002					
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A. Patent Application No(s):		B. Patent No(s):			
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Additional numbers attached? ☐ Yes ☒ No					
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>		б. Total number of ap	oplications and patents involved 1		
Concerning document should be mailed	•				
Name: Chad E. King TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8 <sup>th</sup> Floor San Francisco, California 94111-3834		7. Total fee (37 CFR	3.41):\$ <u>40.00</u>		
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Chad E. King	_ (her)		December 23, 2002		
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**PATENT REEL: 013646 FRAME: 0790** 

Attorney Docket No.: 020366-087900US

## ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Dieter Zerressen of 1645 Oneida Street, Denver, CO 80220 hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: SYSTEMS AND METHODS FOR ANALYZING CRITICAL

CIRCUITS AND ASSOCIATED TELECOMMUNICATION

RESOURCES

Date(s) of execution of Declaration:

Filing Date:

Application No.: ; and

WHEREAS, Qwest Communications International Inc, a corporation of the state of Colorado, 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 Assignor, Assignor has assigned, and by these presents does 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 any patent application claiming priority from 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 Assignor 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.

Assignor further agrees that Assignor 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 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.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 12-20-02

**RECORDED: 12/23/2002** 

Dieter Zerress

DE 7090504 v1

PATENT REEL: 013646 FRAME: 0791