



To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):  David E. Dodds</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Telecommunications Research Laboratories</u> Address: <u>800 Park Plaza, 10611 - 98 Avenue</u></p> <p>City: <u>Edmonton</u> State: <u>Alberta, Canada</u> ZIP: <u>T5K 2P7</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution date: <u>July 24, 1998</u></p>	

4. Application number(s) or patent number(s):

A. Patent Application No(s). 09/079,133 | B. Patent No(s). \_\_\_\_\_

Additional numbers attached?  Yes  No

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Ward Brown, Esq., Esq. CHRISTENSEN O'CONNOR JOHNSON &amp; KINDNESS<sup>PLLC</sup> 1420 Fifth Avenue Suite 2800 Seattle, WA 98101-2347 (206) 682-8100</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 C.F.R. 3.41): ..... \$ <u>40.00</u> Check No. <u>098602</u> in the amount of \$40.00 is enclosed.</p> <p>8. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.18 which may be required during the entire pendency of the application, or credit any overpayment, to Deposit Account No. 03-1740. This authorization also hereby includes a request for any extensions of time of the appropriate length required upon the filing of any reply during the entire prosecution of this application. <u>A copy of this sheet is enclosed.</u></p>
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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.*

Ward Brown, Esq. \_\_\_\_\_  
Name of Attorney or Agent  
Registration No. 28,400  
For Marcia S. Kelbon, Reg. No. 34,358  
Direct Dial (206) 224-0716

*Ward Brown* \_\_\_\_\_  
Signature  
*Aug 27, 1998* \_\_\_\_\_  
Date

Total number of pages including cover sheet, attachments and document: 2

**ASSIGNMENT**

WHEREAS, I, David E. Dodds, residing at 81 Phillips Crescent, Saskatoon, Saskatchewan, Canada, S7H 3M9, am the inventor named in an application for Letters Patent of the United States, entitled OPTICAL FREQUENCY SHIFTER AND TRANSMISSION SYSTEM, Serial No. 09/079,133, filed on May 14, 1998 and corresponding Canadian Patent Application filed on May 14, 1998, Serial No. 2,237,669, (Christensen O'Connor Johnson & Kindness<sup>PLLC</sup> is authorized to fill in Serial No. upon receipt of same from Canadian Patent Office);

AND, WHEREAS, Telecommunications Research Laboratories, an Alberta corporation, having a principal place of business at 800 Park Plaza, 10611 - 98 Avenue, Edmonton, Alberta, Canada T5K 2P7 (hereinafter referred to as ASSIGNEE), is desirous of acquiring my entire right and title to and interest in my invention disclosed in said applications;

NOW, THEREFORE, for sufficient, good and valuable consideration, the receipt of which is hereby acknowledged, I do hereby sell, assign and transfer unto ASSIGNEE my entire right and title to and interest in said applications and said invention, including the right to apply for international patents and patents thereon in foreign countries in my name or in the name of ASSIGNEE, said invention and all applications and patents on said invention to be held and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by me had this sale, assignment and transfer not been made, and I do hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on said invention, to enforce any and all patents on said invention, and to confirm in ASSIGNEE legal title to said invention and all applications and patents on said invention, all without charge to ASSIGNEE but at no expense to me.

Executed at Saskatoon (city), Sask. (province), Canada, this 24<sup>th</sup> day of July, 1998.

David E. Dodds  
David E. Dodds

MSK  
Witness

July 24/98  
Date

MSK  
Witness

July 24/98  
Date

MSK:dc