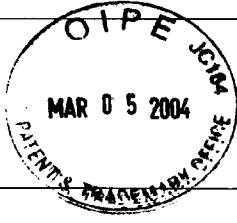


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U.S. DEPARTMENT OF COMMERCE

SHEET

Patent and Trademark Office  
Docket No.: 329092000300

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Stewart N. CROZIER</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): HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF INDUSTRY THROUGH THE COMMUNICATION RESEARCH CENTRE 3701 Carling Avenue, Box 11490 Station H, Ottawa, Ontario K2H 8S2</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: May 18, 2001</p>	

4. Application number(s) or patent number(s): **09/864,396**

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?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Barry E. Bretschneider Morrison &amp; Foerster LLP 1650 Tysons Boulevard, Suite 300 McLean, Virginia 22102</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 C.F.R. § 3.41): \$40.00</p> <p><input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to be charged to deposit account, referencing Attorney Docket <b>329092000300</b></p> <p>8. Deposit account number: <b>03-1952</b></p>
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The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

**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.

Name: Barry E. Bretschneider  March 5, 2003  
Registration No: 28,055 Signature Date

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

( 03/10/2004 DBYRNE 0000094 031952 09864396 )  
( 01 FC:8021 40.00 DA )

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

va-59967

**PATENT**  
**REEL: 015047 FRAME: 0799**

ASSIGNMENT

I, STEWART N. CROZIER, whose full post office address is 128 Hidden Valley Rd., Groton, MA, 01450, USA, in consideration of \$1.00 the receipt of which is hereby acknowledged, and other good and valuable consideration, do hereby sell and assign to HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF INDUSTRY THROUGH THE COMMUNICATION RESEARCH CENTRE, whose full post office address is 3701 Carling Avenue, Box 11490, Station H, Ottawa, Ontario, K2H 8S2, Canada, all my right, title and interest in Canada and all countries foreign to Canada in and to the invention(s) disclosed in an application for patent relating to, and entitled METHOD AND SYSTEM FOR HIGH-SPREAD HIGH-DISTANCE INTERLEAVING FOR TURBO-CODES, the application bearing the Serial No 60/207,195, filed May 26, 2000, and to any application for patent claiming priority therefrom, and to all our corresponding right, title and interest in and to any patent issued therefrom, and to any patent issued from a continuation, continuation-in-part, re-issue, divisional and re-examination application derived from the above application.

The Assignor hereby requires that this assignment be drawn in the English language.

SIGNED at Groton MA, USA  
City or Town Country

this 18 day of May, 2001

Stewart N. Crozier  
STEWART N. CROZIER

STATEMENT BY WITNESS

I Maureen R.W. Crozier whose full post office address is \_\_\_\_\_  
(name of witness)

128 Hidden Valley Rd, Groton, MA, 01450  
USA

was personally present and did see STEWART N. CROZIER execute the within assignment and such assignor is personally known to me to be the person described in such document.

Maureen R.W. Crozier  
Signature of Witness