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

<p>1. Name of conveying party(ies):</p> <p>Edgar VELEZ Peter NOEL Sisay YIRGA</p> <p>Additional name(s) of conveying party(ies) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name of receiving party(ies):</p> <p>NORTHERN TELECOM LIMITED</p> <p>Address of receiving party(ies):</p> <p>P.O. Box 6123, Station A</p> <p>City: Montreal State: Quebec, Canada ZIP: H3C 3J5</p> <p>Additional name(s)/address(es) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<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: 22 April 1998</p>	<p>jc525 U.S. PTO 09/069741 04/30/98</p>
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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: 22 April 1998

A. Patent Application No(s).	B. Patent No(s).
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: SWABEY OGILVY RENAULT</p> <p>Address: 1981 McGill College Avenue, Suite 1600</p> <p>City: Montreal State: Quebec, Canada ZIP: H3A 2Y3</p>	<p>6. Total number of applications and patents involved: <input type="text" value="1"/></p> <p>7. Total fee (37 CFR 3.41): \$ 40.00</p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account.</p> <p>8. Deposit Account number:</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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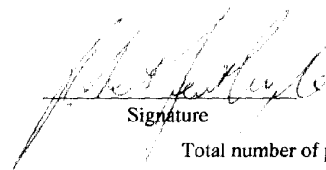
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9. Statement and signature. **40.00 DP**

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.

<p>Robert Feutlinske 37.994 Name of Person Signing</p>	 Signature	<p>29 April 1998 Date</p>
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Total number of pages comprising cover sheet:

OMB No. 0651-0011 (exp. 4/94)

**ASSIGNMENT
NORTHERN TELECOM LIMITED**

For value received, I (we) the undersigned, whose full post office address(es) is (are) adjacent my (our) name(s), hereby sell, assign and transfer to:

NORTHERN TELECOM LIMITED

whose full post office address: P.O. Box 6123, Station A, Montreal,
Quebec, Canada H3C 3J5

its successors, assigns and legal representatives, the entire right, title and interest, including priority rights, for all countries, in and to certain inventions relating to:

**METHOD AND APPARATUS FOR ENERGY
DETECTION IN A MODEM**

set forth in an application for letters patent of the United States of America

executed concurrently herewith,

and all rights and privileges under any and all letters patent that may be granted for said inventions.

Patrick Goulet
Witness Signature

PATRICK GOULET
Witness Name (print)

Edgar Velez Date April 22, 1998
Edgar Velez - Assignor
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Patrick Goulet
Witness Signature

PATRICK GOULET
Witness Name (print)

Peter Noel Date April 22/1998
Peter NOEL - Assignor
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Patrick Goulet
Witness Signature

PATRICK GOULET
Witness Name (print)

Demelash Sisay Yirga Date 04/22/98
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