

09-14-1998



ER SHEET

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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):

GUY M.A.F. DUXBURY

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

MRD 9-2-98

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: August 31, 1998

2. Name and address of receiving party(ies):

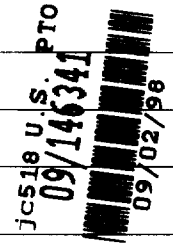
Name: Northern Telecom Limited

Address: P.O. Box 6123, Station A

City: Montreal State/Prov.: Quebec

Country: Canada ZIP: H3C 3J5

Additional name(s) & address(es) Yes No



4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: August 31, 1998

09/10/1998 5THORNTD 00000024 09146341

Patent Application No. Filing date

09146341

B. Patent No.(s)

Additional numbers Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James McGraw

Registration No. 28168

Address: Smart & Biggar, P.O. Box 2999, Station D,
55 Metcalfe Street, Suite 900

City: Ottawa State/Prov.: Ontario

Country: Canada ZIP: K1P 5Y6

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
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8. Deposit account number:

19-2550

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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.

James McGraw (Reg. No. 28168)

Name of Person Signing

Signature

September 1, 1998

Date

Total number of pages including cover sheet, attachments, and

2

PATENT

Case:

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 is: 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:

QAM RECEIVER WITH IMPROVED IMMUNITY TO CROSSTALK NOISE

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.



Witness Signature

CARL ANDERSON

Witness Name (print)

Witness Signature

Witness Name (print)

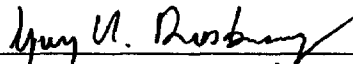
Witness Signature

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Additional Assignors on attached Page 2



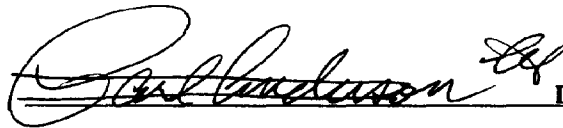
Guy M.A.F. Duxbury

56 Foothills Drive

Nepean, Ontario, K2H 6K3, Canada

Date 31st August-98

Assignor



~~CARL ANDERSON~~

Date

Assignor

Date

Assignor

Date

Assignor