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

03-08-1999

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To the Honorable Commissioner of Patents at

1. Name of conveying party(ies):
Ivan AVRUTSKY (May 4, 1998); Hanan ANIS (May 1, 1998); Toshi MAKINO (May 1, 1998); and Jingming XU (February 15, 1999)

2. Name and address of receiving party(ies):
Name: NORTHERN TELECOM LIMITED
Internal Address:
Street Address: P.O. Box 6123, Station A
City: Montreal, Quebec, State: Canada ZIP: H3C 3J5
Additional name(s) & address(es) attached? No

JCI35 U.S. PTO
09/253129
02/19/99

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: Same as Above

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:
Same as above
A. Patent Application No.(s)
09/253129
Additional numbers attached? No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Brian J. McNamara, Esq.
Internal Address: FOLEY & LARDNER
~~03/83/99~~ Address: 3000 K Street, N.W., Suite 500
~~PEOPLES 0000045 09253129~~
03 FC:581
City: Washington, State: D.C. ZIP: 20007-5109

6. Total number of applications and patents involved: 1
7. Total fee (37 C.F.R. § 3.41). \$40.00
 Enclosed
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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.
Brian J. McNamara
Name of Person Signing

Signature
February 19, 1999
Date

Total number of pages including cover sheet, attachments, and document: 4

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PATENT
REEL: 9793 FRAME: 0697

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:

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whose full post office address is: P.O Box 6123, Station A, Montreal, Quebec,
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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:

SUPERIMPOSED GRATING WDM TUNABLE LASERS

set forth in an application for letters patent of the UNITED STATES OF AMERICA

executed concurrently herewith,

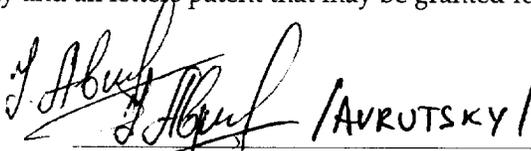
and all rights and privileges under any and all letters patent that may be granted for said inventions.



Witness Signature

Frank H. Westervelt

Witness Name (print)

 /AVRUTSKY/

Date

May 4, 98

Assignor

Ivan Avrutsky

27200 Parkview Boulevard #707
Warren, MI 48092 U.S.A.

Witness Signature

Date

Assignor

Witness Name (print)

Witness Signature

Date

Assignor

Witness Name (print)

Witness Signature

Date

Assignor

Witness Name (print)

Additional Assignors on attached Page 2

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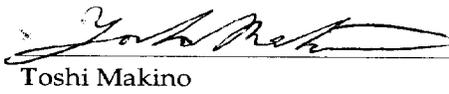


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Additional Assignors on attached Page 2

Handwritten notes at the bottom of the page, including "X- copy" and "to be filed with the application".

Case:

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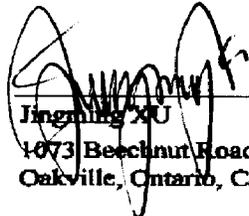
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Witness Signature

Witness Name (print)


Jingming XU
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Date Feb 15, 1999
Assignor

Witness Signature

Witness Name (print)

Date
Assignor

Witness Signature

Witness Name (print)

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Witness Name (print)

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Assignor

Additional Assignors on attached Page 2

*** TOTAL PAGE.02 ***