

04-03-2003



Form PTO-1595

(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

102408162

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1. Name of conveying party(ies): 4-2-03

Yasuhiro Matsui

Daryoosh Vakhshoori

Peidong Wang

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other \_\_\_\_\_SEE DOCUMENT ID NO. 102210165  
DATED 03/24/03Execution Date: 11/13/2002 FOR EACH CONVEYING PARTY

2. Name and address of receiving party(ies)

Name: Nortel Networks Limited

Internal Address: \_\_\_\_\_

Street Address: 231 Boulevard Alfred-NobelSt. Laurent, Quebec Canada, H4S 2A9

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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: \_\_\_\_\_

A. Patent Application No.(s) 10/294,160

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

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

Name: Guerin & Rodriguez, LLPInternal Address: Patent AdministratorStreet Address: 5 Mount Royal AvenueMount Royal Office ParkCity: Marlborough State: MA Zip: 017526. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

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William G. Guerin

Name of Person Signing

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RECORD

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## 1. Name of conveying party(ies):

Yasuhiro Matsui  
Daryoosh Vakhshoori  
Peidong Wang

11/14/02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

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City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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If this document is being filed together with a new application, the execution date of the application is: 11/14/2002

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

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

Name: Guerin &amp; Rodriguez

Internal Address: Patent Administrator

Street Address: 5 Mount Royal Avenue

Mount Royal Office Park

City: Marlborough State: MA Zip: 01752

## 6. Total number of applications and patents involved: 1

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

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10715 U.S. PTO

10/294160

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FILE NO. NOR-012 (15628CKUS02U)

PATENT APPLICATION  
ASSIGNMENT

**FOR VALUABLE CONSIDERATION**, the receipt of which is hereby acknowledged, we the undersigned, whose full post office address are listed below our names do hereby sell, assign and transfer to:

**NORTEL NETWORKS LIMITED**

(hereinafter "Nortel"), its successors, assigns and legal representatives, whose full post office address is:

2351 Boulevard Alfred-Nobel  
St. Laurent, Quebec  
Canada, H4S 2A9

all their right, title, and interest worldwide in and to the invention relating to

**POLARIZATION MODE CONTROL OF VERTICAL CAVITY SURFACE  
EMITTING LASERS**

as described in an application for letters patent filed concurrently herewith or filed in the United States on (Insert Date) and given serial number (Insert Serial Number), as well as all rights and privileges including priority rights arising from the aforesaid application and corresponding applications in other countries, all continuations, continuations-in-part, divisions, renewals, substitutes or reissues thereof, and all the rights and privileges under any and all letters patent that may be granted for said invention.

We undertake without charges to Nortel but at its request and expense to execute all documents, take all oaths and do all reasonable acts to enable Nortel, its successors assigns and legal representatives to procure and maintain patent or any other intellectual property protection for said invention in any and all countries and to vest title thereto to Nortel, its successors assigns and legal representatives.

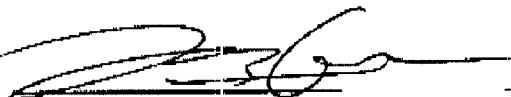
THE UNDERSIGNED hereby authorizes the firm of Guerin & Rodriguez, LLP whose full office address is 5 Mount Royal Avenue, Mount Royal Office Park, Marlborough, MA 01752 to correct clerical errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in a domestic or foreign Patent Office.



Yasuhiro Matsui  
101 River Pointe Way  
Lawrence, MA 01843

11-13-2002

Date



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Zhencan Frank Fan

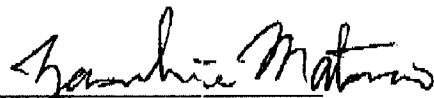
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Daryoosh Vakhshoori  
10 Rogers Street  
Apt. 205  
Cambridge, MA 02142

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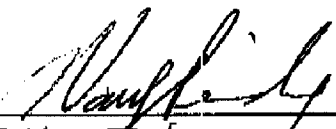
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Yasuhiro Matsui

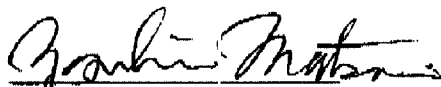
Witness Name (Print)



Peidong Wang  
225 Davis Road  
Carlisle, MA 01741

11/13/2002

Date



Witness Signature

Yasuhiro Matsui

Witness Name (Print)