

09-25-2002

FORM PTO-



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Commission

102232744

Attached original documents or copy thereof.

1. Name of conveying party(ies):
James Watts, Andrew Liu & Ian Abraham

9-19-02

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

3. Nature of conveyance:

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

Execution Date: September 11, 2002

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

Name: Nortel Networks Limited
Internal Address: _____
Street Address: 2351 Boulevard Alfred-Nobel, St. Laurent, Quebec
Canada, H4S 2A9

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

J1011 U.S. PTO
10/24/173

09/19/02

4. Application number(s) or patent number(s).

10247173

If this document is being filed together with a new application, the execution date of the application is: September 11, 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: William M. Lee, Jr.
Internal Address: Lee, Mann, Smith, McWilliams, Sweeney & Ohlson
Street Address: P.O. Box 2786
City: Chicago State: Illinois Zip: 60690-2786

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41) \$ 40

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

12-0913

(Attach duplicate copy of this form if paying by deposit account.)

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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.

William M. Lee, Jr.
Name of Person Signing

William M Lee
Signature

September 19, 2002
Date

Total number of pages including cover sheet, attachments and document 3

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
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09/23/2002 SSITHIB1 00000020 10247173

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PATENT
REEL: 013310 FRAME: 0685

FOR VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I (we) the undersigned, whose full post office address(es) is(are) listed below my (our) name(s), 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

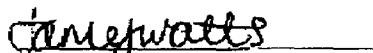
all their right, title, and interest worldwide in and to the invention relating to

**A THERMO-ELECTRIC COOLER FOR USE IN AN
OPTICAL ASSEMBLY**

as described in an application for letters patent filed concurrently herewith or filed in (insert country) on 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.

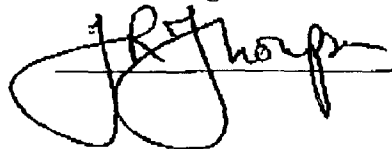
I (We) undertake without charges to Nortel but at its request and expense to execute all documents, take all oaths and do all reasonable acts to enable Nortel, its successors assigns and legal representatives to procure and maintain patent or any other intellectual property protection for said invention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

THE UNDERSIGNED hereby authorizes Nortel's Intellectual Property Law Group 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.



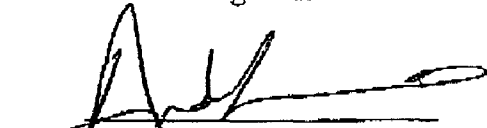
James WATTS
45 Haig Court, off Bradford Street
Chelmsford, Essex
CM2 0BH
United Kingdom

11th September 2002
Date:



J. R. THOMPSON

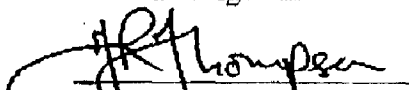
Witness Signature


Andrew LIU

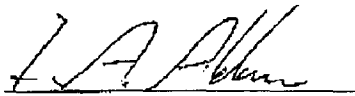
3 Chestnut Walk
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United Kingdom

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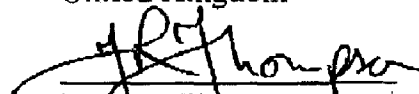

Witness Signature

J. R. Thompson
Witness Name (Print)



Ian ABRAHAM
18 Little Heath, Hatfield Heath
Bishops Stortford
Hertfordshire, CM22 7EP
United Kingdom

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