



02-14-2002

cket No.: 79275-15

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U.S. DEPARTMENT OF COMMERCE  
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Tab settings

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

1. Name of conveying party(ies):  
**NATIONAL RESEARCH COUNCIL OF CANADA**  
  
*2-8-02*  
Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):  
Name: **TRILLIUM PHOTONICS INC.**  
Address: **750 Palladium Drive**  
  
City: **Ottawa** State/Prov.: **Ontario**  
Country: **Canada** ZIP: **K2V 1C7**  
Additional name(s) & address(es)  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other **LICENSE AGREEMENT**  
Execution Date: **November 20, 2001 and January 8, 2002**

4. Application number(s) or patent numbers(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
Patent Application No. Filing date  
Additional numbers  Yes  No

B. Patent No.(s)  
~~5,530,584~~  
5,280,549  
5,870,514  
Additional numbers  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Christine N. GENGE**  
Registration No. **45,405**  
Address: **SMART & BIGGAR**  
**P.O. Box 2999, Station D**  
**900-55 Metcalfe Street**  
City: **Ottawa** State/Prov.: **Ontario**  
Country: **Canada** ZIP: **K1P 5Y6**

6. Total number of applications and patents involved: **3**  
7. Total fee (37 CFR 3.41):.....\$ **120.00**  
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
 Authorized to be charged to deposit account  
8. Deposit account number:  
**19-2550**  
(Attach duplicate copy of this page if paying by deposit account)

02/13/2002 **DBYRNE** 00000032 5530584  
01 FC1581 120.00 DP

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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.*  
**Christine N. GENGE (Reg. No. 45,405)**  
Name of Person Signing

*Christine N. Genge*  
Signature

**February 7, 2002**  
Date

Total number of pages including cover sheet, attachments, and

**4**

AGREEMENT

THIS AGREEMENT

B E T W E E N:

NATIONAL RESEARCH COUNCIL OF CANADA,  
1200 Montreal Road, Ottawa, ON K1A 0R6

("Licensor")

- and -

TRILLIUM PHOTONICS INC.,  
750 Palladium Drive, Ottawa, ON K2V 1C7

("Licensee")

WHEREAS on July 14, 2000, the parties entered into an Agreement that granted to Licensee a licence to certain patents and patent applications specified in the Agreement;

AND WHEREAS the July 14, 2000 Agreement included additional exclusive rights, the Licensor having the right to withdraw the grant of these additional exclusive rights if it notified Licensee in writing within 45 days of the signing of the July 14, 2000 Agreement;

AND WHEREAS the Licensor did not withdraw the grant of these additional exclusive rights within 45 days of the signing of the July 14, 2000 Agreement;

P.M.

AND WHEREAS the parties now wish to confirm the grant of licence specified in the July 14, 2000 Agreement,

THE PARTIES AGREE AS FOLLOWS:

Subject to the terms and conditions of the July 14, 2000 Agreement, Licensor hereby confirms its grant to Licensee of an exclusive, worldwide, royalty-free licence to commercially exploit (and to use the services of third parties to commercially exploit) the inventions covered by the Patent Rights as defined below, and know-how, trade secrets, unpatented inventions, and technical information relating to those inventions, all of which can be defined as related to fibre-optic equipment, the Patent Rights being the following patents and patent applications, any continuations, continuations-in-part, divisions, re-issues, re-examinations, and extensions of these patents and patent applications, and any priority rights and rights to apply for and obtain related foreign and domestic patents or equivalent exclusive protection:

Country	Application/Patent #	Title
U.S.A.	US Patent No. 5530584 Issued June 25, 1996	Control of gain and dispersion of a signal in an optical medium
U.S.A.	US Patent No. 5280549 Issued January 18, 1994	Frequency dependent optical isolator
U.S.A.	US Patent No. 5870514 Issued February 9, 1999	Optical in-line elements in fibre optic systems

Canada	Canadian Patent No. 2,164,275  Issued October 30, 2001	Control of gain and dispersion of a signal in an optical medium
Canada	Canadian Patent Appl. No. 2,093,259  Filed April 2, 1993	Frequency dependent optical isolator
Canada	Canadian Patent Appl. No. 2,124,862  Filed May 2, 1994	Optical in-line elements in fibre optic systems

IN WITNESS WHEREOF, the parties have signed this Agreement by their duly authorized legal representatives.

Executed this 8 day of January, 2001.

NATIONAL RESEARCH COUNCIL OF CANADA

Michelle B. Charrow

Witness  
Name:

Arthur J. Cartier

Name: ARTHUR J. CARTIER  
Title: PRESIDENT

Executed this 20 day of November, 2001.

TRILLIUM PHOTONICS INC.

W. MacDonald  
Witness  
Name:

P. Myscinski  
Name: P. MYSCINSKI  
Title: VP Eng. & CFO