03-15-2001 FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE SHEET (Rev. 5-95) Patent and Trademark Office 101638082 To the Honorable Commissioner of Patents and Trademake Rease record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): MAR 0 7 2001 Tigran GALSTIAN Name: <u>UNIVERSITÉ LAVAL</u> Additional names of conveying party(ies) attached? Internal Address: Cité Universitaire, Sainte-Foy, 3. Nature of conveyance: Québec, CANADA G1K 7P4 ■ Assignment ☐ Merger Street Address: ☐ Security Agreement ☐ Change of Name SAME AS ABOVE \_\_\_\_ Other \_\_\_\_\_ City: \_\_\_\_\_ State \_\_\_\_ ZIP \_\_\_\_ Execution Date: February 26, 2001 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 Number 09/726,536 B. Patent No.(s) Application filed herewith Additional numbers attached ?□ Yes ⊠ No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of application and patents involved: SWABEY OGILVY RENAULT 7. Total fee (37 CFR 3.41): ...... \$ 40.00 1981 McGill College Ave., Suite 1600 Any deficiencies in enclosed fees are authorized to be Montreal, Quebec, Canada H3A 2Y3 Tel. (514) 845-7126 8. Deposit account number: 19-5113 Attorney Docket No.: 6013-64us-3 (Attach duplicate copy of this page if paying by deposit account). DO NOT USE THIS SPACE 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 Anglehart, Reg. 38,796 March 6, 2001 Name of Person Signing Total number of pages comprising cover sheet: 03/08/2001 SDENBOBL 00000091 09726536

40.00 OP

03 FC:581

PATENT

REEL: 011574 FRAME: 0748

## ASSIGNMENT OF INVENTION UNIVERSAL – INVENTOR

| whose full post office address is 2356 Jean-Durand Street, Apt. 6, Ste-Foy, Quebec,  CANADA GIV 4V7  invented certain improvements in NON-RECIPROCAL OPTICAL ELEMENT FOR PHOTONIC  DEVICES  and described in  a patent application bearing the same title  a US patent application executed on  a US patent application serial number 09/726,536 filed on December 1, 2000  patent number granted on  and WHEREAS, UNIVERSITÉ LAVAL  of Cité Universitaire, Ste-Foy, Quebec, CANADA GIK 7P4  (hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and   |
|---|
| invented certain improvements in NON-RECIPROCAL OPTICAL ELEMENT FOR PHOTONIC DEVICES  and described in  a patent application bearing the same title  a US patent application executed on  a US patent application serial number 09/726,536 filed on December 1, 2000  patent number granted on  and WHEREAS, UNIVERSITÉ LAVAL  of Cité Universitaire, Ste-Foy, Quebec, CANADA G1K 7P4  (hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and   |
| and described in  □ a patent application bearing the same title □ a US patent application executed on □ a US patent application serial number 09/726,536 filed on December 1, 2000 □ patent number granted on and WHEREAS, UNIVERSITÉ LAVAL of Cité Universitaire, Ste-Foy, Quebec, CANADA G1K 7P4 (hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and   |
| and described in  a patent application bearing the same title  a US patent application executed on  a US patent application serial number 09/726,536 filed on December 1, 2000  patent number granted on  and WHEREAS, UNIVERSITÉ LAVAL  of Cité Universitaire, Ste-Foy, Quebec, CANADA G1K 7P4  (hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and   |
| <ul> <li>☑ a patent application bearing the same title</li> <li>☐ a US patent application executed on</li> <li>☑ a US patent application serial number 09/726,536 filed on December 1, 2000</li> <li>☐ patent number granted on</li> <li>and WHEREAS, UNIVERSITÉ LAVAL</li> <li>Of Cité Universitaire, Ste-Foy, Quebec, CANADA G1K 7P4</li> <li>(hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and</li> </ul>   |
| □ a US patent application executed on □ a US patent application serial number 09/726,536 filed on December 1, 2000 □ patent number granted on □ and WHEREAS, UNIVERSITÉ LAVAL of Cité Universitaire, Ste-Foy, Quebec, CANADA G1K 7P4 (hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and   |
|   |
| and WHEREAS, UNIVERSITÉ LAVAL  of Cité Universitaire, Ste-Foy, Quebec, CANADA G1K 7P4  (hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and   |
| and WHEREAS, UNIVERSITÉ LAVAL  of Cité Universitaire, Ste-Foy, Quebec, CANADA G1K 7P4  (hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and   |
| of <u>Cité Universitaire, Ste-Foy, Quebec, CANADA G1K 7P4</u> (hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and  |
| (hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and  |
|   |
| to said invention or inventions and in and to any and all patents obtained and to be obtained therefor;   |
| NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged,  I/We by these presents, do hereby sell, assign and transfer  I/We hereby confirm that effective the date of my/our invention of the said invention or inventions, I/We did sell, assign and transfer, by virtue of an employment agreement or other form of contract or agreement entered into with said assignee prior to making the said invention or inventions,  I/We hereby confirm that effective, I/We sold, assigned and transferred unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid patent or application, in any form or embodiment thereof, and in and to the aforesaid patent or application; and in and to any patents or applications filed in any foreign country |
| based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, continuation-in-part, nonprovisional, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and I/We hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.  I/We further agree without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said  |
| invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference, litigation or other proceedings, whenever requested; and execute and   |
| deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise   |
| make these provisions binding upon my/our heirs, legal representatives, administrators and assigns.  Le(s) soussigné(s) désire(nt) que la présente cession soit en anglais. The undersigned   |
| request(s) that the present assignment be in English.   |
|   |
| Place: 4 whec Inventor Signature:   |

PATENT REEL: 011574 FRAME: 0749

## ASSIGNMENT OF INVENTION UNIVERSAL - INVENTOR

-2-

## **Declaration of Witness**

I, Jack delare that I was personally present and did see <u>Tigran GALSTIAN</u>, who is personally known to me, duly sign and execute the foregoing assignment.

Signature of Witness

PATENT REEL: 011574 FRAME: 0750

RECORDED: 03/07/2001