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| 1. Name(s) of conveying party(ies): | of receiving party(ies): |
| Lorne A. Whitehead Michele Ann Mossman | Name: The University of British Columbia Street Address: #103 - 6190 Agronomy Road |
| Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | City: Vancouver |
| 3. Nature of Conveyance: | Province: British Columbia |
| <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger | Country: Canada |
| <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name | Postal Code: V6T 1Z3 |
| <input type="checkbox"/> Other: _____ | Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Execution Date: 23 July 2003 | |



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

If this is filed with a new application, the application's execution date is: 23 July 2003

Patent Application Serial No.(s): 10,625,805 Patent No.(s): _____

Additional numbers attached? Yes No

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|--|---|
| 5. Name and address of party to whom correspondence concerning document should be mailed: | 6. Total no. of applications and patents involved: [1] |
| Name: Oyen Wiggs Green & Mutala Attention: Blake R. Wiggs | 7. Total fee (37 CFR §1.21(h)) \$ <u>40.00</u> |
| Address: Suite 480—The Station 601 West Cordova Street Vancouver, British Columbia CANADA V6B 1G1 Tel.: (604) 669-3432 Fax: (604) 681-4081 | 8. Deposit Account Number: 02-1037 (File two signed copies 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.

Blake R. Wiggs, Regn. No. 29,505 _____ 23 July 2003
Name of Person Signing Signature Date

Total Number of pages including cover sheet, attachments, and document: [3]

07/25/2003 HMBRZ11 0000052 10625805

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ASSIGNMENT

WHEREAS WE, Lorne A. Whitehead and Michele Ann Mossman (the "Assignors"), whose full post office addresses are respectively 3015 West 12th Avenue, Vancouver, British Columbia, Canada V6K 2R4; and, 2639 West 5th Avenue, Vancouver, British Columbia, Canada V6K 1T2 are the inventors of certain inventions or improvements described and claimed in the application for United States Letters Patent executed concurrently herewith and entitled:

**SELF-STABILIZED ELECTROPHORETICALLY FRUSTRATED
TOTAL INTERNAL REFLECTION DISPLAY**

AND WHEREAS, The University of British Columbia, (hereinafter called the "Assignee") whose full post office address is c/o Industry Liaison Office, #103 - 6190 Agronomy Road, Vancouver, British Columbia, Canada V6T 1Z3 is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements, and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries;

NOW THEREFORE, in consideration of the sum of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, the Assignors, do hereby, both jointly and severally, sell, assign, transfer and set over to the Assignee the entire right, title and interest in and to the said inventions or improvements and said application, and any and all continuations, divisions, renewals of or substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof, and any reissue or reissues of said Letters Patent; and WE assign to and authorize the Assignee to file in our names applications for Letters Patent for said inventions or improvements in all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us, had this assignment, sale and transfer not been made;

AND WE hereby covenant that WE have full right to convey the entire interest herein assigned, and that WE have not executed and will not execute any agreement in conflict herewith, and WE further covenant and agree that WE will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent, in the Assignee, its successors, assigns, nominees or legal representatives, and WE agree to communicate to the Assignee, or its nominees, all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for said

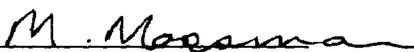
inventions or improvements in any and all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

AND WE hereby authorize and request the Commissioner of Patents and Trade-marks of the United States of America and any official of any country or countries foreign to the United States of America whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

EXECUTED at Vancouver, British Columbia, Canada this 23rd day of July 2003.


Lorne A. Whitehead

EXECUTED at Vancouver, British Columbia, Canada this 23rd day of July 2003.


Michele Ann Mossman

NOTARIAL CERTIFICATES

On this 23rd day of July 2003 before me, personally appeared Lorne A. Whitehead, known to me to be one of the individuals who executed the foregoing instrument, and who acknowledged to me that he executed the same of his own free will and for the purpose therein set forth.


BLAKE R. WIGGS
Barrister & Solicitor
480-601 West Cordova St.
VANCOUVER, B.C. V6B 1C1
Notary Public in and for the Province of British Columbia, Canada.
My Commission is for life.

On this 23rd day of July 2003 before me, personally appeared Michele Ann Mossman known to me to be one of the individuals who executed the foregoing instrument, and who acknowledged to me that she executed the same of her own free will and for the purpose therein set forth.


BLAKE R. WIGGS
Barrister & Solicitor
480-601 West Cordova St.
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