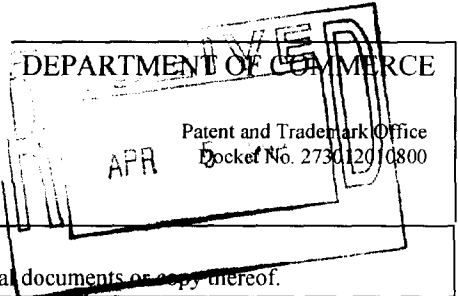


04-12-1999

REC



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MRP 4-5-99

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

<p>1. Name of conveying party(ies): Claire K. JOHNSON David DOLPHIN</p> <p><input checked="" type="checkbox"/> Individual(s) <input type="checkbox"/> Association <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Corporation-State <input type="checkbox"/> Other</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: UNIVERSITY OF BRITISH COLUMBIA Internal Address: Street Address: 2194 Health Sciences Mall City and State: Vancouver, B.C. V6R 2R2 CANADA</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Dates: 3 January 1999 and 12 March 1999</p>	

4. Application number(s) or patent number(s): 09/196,761

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

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Kate H. Murashige Morrison & Foerster LLP 2000 Pennsylvania Avenue, N.W. Washington, D.C. 20006-1888</p> <p>04/09/1999 JSHADAZZ 00000130 09196761 01 FC:581 40.00 OP</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 C.F.R. § 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account, referencing Attorney Docket 273012010800</p> <p>8. Deposit account number: <u>03-1952</u></p>
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The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

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.

Name: Kate H. Murashige Kate H. Murashige March 31, 1999
 Registration No: 29,959 Signature Date

Total number of pages comprising cover sheet, attachments and document: 2

Mail documents to be recorded with required cover sheet information to:
 U.S. Patent and Trademark Office
 Office of Public Records
 Box Assignments
 Crystal Gateway 4, Room 335
 Washington, D.C. 20231

**ASSIGNMENT
JOINT**

THIS ASSIGNMENT, by Claire K. Johnson and David Dolphin (hereinafter referred to as the assignors), residing at Jahnstrasse 44B, 80469 Munich, Germany, and 4464 West 12th Avenue, Vancouver, British Columbia, V6R 2R2 Canada, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in SYNTHESIS OF LONG-WAVELENGTH ABSORBING PHOTSENSITIZERS, set forth in an application for Letters Patent of the United States, bearing Serial No. 09/196,761 and filed on November 20, 1998; and

WHEREAS, THE UNIVERSITY OF BRITISH COLUMBIA, an academic institution duly organized under and pursuant to the laws of CANADA and having its principal place of business at 2194 Health Sciences Mall, Vancouver, British Columbia, V6T 1Z3, CANADA (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

1.3 99
Date
Claire K. Johnson
Claire K. Johnson

March 12 1999
Date
David Dolphin
David Dolphin

dc-