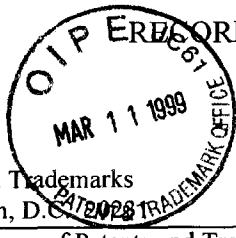


P/D 3-11-99  
3/11/99



03-22-1999



Our Ref.: 1579-253

100989973

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C.

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

<p>1. Name of conveying party(ies): Homme W. Hellinga</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Assignment      <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other _____</p> <p>Execution Date:      February 19, 1999</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: DUKE UNIVERSITY  Internal Address: _____  Street Address: _____  _____  City: Durham  State/Country: North Carolina  Zip: 27708-0083</p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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: \_\_\_\_\_

<p>A. Patent Application No(s).  (1) 09/223,775  (2)  (3)</p>	<p>B. Patent No(s).  (1)  (2)  (3)</p>
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Additional numbers attached  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Mary J. Wilson  Internal Address: _____  Street Address: Nixon &amp; Vanderhye P.C.  1100 North Glebe Road  8<sup>th</sup> Floor  City: Arlington State: VA Zip: 22201</p>	<p>6. Total number of applications &amp; patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ 40.00  <input checked="" type="checkbox"/> Enclosed  <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our <b>Account No. 14-1140.</b></p>
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**DO NOT USE THIS SPACE**

9. Statements 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.

<u>Mary J. Wilson</u> Name of Person Signing Reg. No. 32,955	 Signature	<u>March 11, 1999</u> Date
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Total number of pages including original cover sheet, attachments, and document: [3]

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(40.00 OP)

Nixon & Vanderhye P.C.  
1100 North Glebe Road  
Eighth Floor  
Arlington, VA 22201-4714

A S S I G N M E N T  
of U.S. Origin Patent Application

WHEREAS, the undersigned, to wit:

1) Homme W. Hellinga

(hereinafter collectively ASSIGNOR), have made an invention known as Dkt. 1579-253 and entitled: BIOSENSOR for which an application for Letters Patent of the United States  was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;  was filed on December 31, 1998, Appln. No. 09/223,775;

AND WHEREAS DUKE UNIVERSITY, Durham, North Carolina 27708-0083

(hereinafter ASSIGNEE), desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its entire right, title and interest to the said invention in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, and foreign counterparts thereof, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America

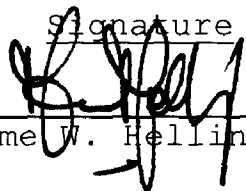
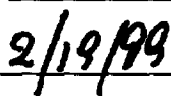
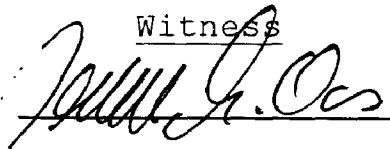
adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

The undersigned hereby authorize(s) Nixon & Vanderhye P.C. of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

	<u>Signature</u>	<u>Date Signed</u>	<u>Witness</u>
1)	 _____ Homme W. Hellinga	 _____ 2/19/99	 _____ [Witness Signature]