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03-27-2001

FORM PTO-1595  
1-31-92

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DEPARTMENT OF COMMERCE  
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101649530

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

<p>1. Name of conveying party(ies): <b>Liam Good</b></p> <p>Additional name(s) of conveying party(ies) attached? ( ) YES (X) NO</p> <p>3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment      ( ) Merger  <input type="checkbox"/> Security Agreement  <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other:</p> <p>Execution Date(s): <b>2/9/01</b></p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <b>Peter E. Nielsen</b></p> <p>Street Address: <b>Hjorteveaenget 509</b></p> <p>City: <b>Kokkedal</b></p> <p>State: <b>Denmark</b>      ZIP: <b>DK-2980</b></p> <p>Additional name(s) &amp; address attached? ( ) YES (X) NO</p>
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4. Application number(s) or patent number(s): **09/689,155**  
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)
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Additional numbers attached? ( ) YES (X) NO

<p>5. Name and address of party to whom correspondence concerning documents should be mailed:</p> <p>Name: <b>Robin S. Quartin</b></p> <p>Internal Address: <b>WOODCOCK WASHBURN KURTZ MACKIEWICZ &amp; NORRIS LLP</b>  One Liberty Place - 46th Floor  Philadelphia, Pennsylvania 19103-7301</p> <p>Street Address: <b>WOODCOCK WASHBURN KURTZ MACKIEWICZ &amp; NORRIS LLP</b>  One Liberty Place - 46th Floor  1650 Market Street  Philadelphia, Pennsylvania 19103-7301</p>	<p>6. Total number of applications and patents involved: <b>1</b></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 Number 23-3050</p> <p>8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050</p>
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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.*

\_\_\_\_\_  
Robin S. Quartin / 45,028

  
Signature

March 6, 2001  
Date

Total number of pages including cover sheet, attachments, and document: **5**

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231**

03/26/2001 DBYRNE 00000240 09689155

01 FC:581 40.00 DP

**PATENT  
Joint Inventors****DOCKET NO.: PANT-0300****ASSIGNMENT**

WHEREAS, I, **Liam Good**, hereinafter referred to as the assignor, residing at **Apr. C7, Valhallavagen 7, 17177 Stockholm, Sweden**, am co-inventors with **Peter E. Nielsen; Henrik Frydenlund Hansen; Frederik Beck; Leila Malik; Carsten Schou; Margit Wissenbach** and **Birgit Kjældgaard Giwereman** residing respectively at **Hjorteveanget 509, DK 2980 Kokkedal, Denmark; Tårnvej 33 A st, DK-2610 Rodovre, Denmark; Ingemannsvej 22 3th, DK-1964 Frederiksberg C, Denmark; Engblommevej 45 st th, DK-2400 Copenhagen NV, Denmark; Mothsvej 73 Søllerød, DK-2840 Holte, Denmark; Stregade 52B 1 tv, DK-2200 Copenhagen N, Denmark and Vintervej 2, 2 st., DK-2920 Charlottenlund, Denmark** of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. **09/689,155**, filed **October 12, 2000**, entitled **MODIFIED PEPTIDE NUCLEIC ACID (PNA) MOLECULES**; and

WHEREAS, **Peter A. Nielsen**, hereinafter referred to as the assignee, of **Hjorteveanget 509, DK 2980 Kokkedal, Denmark** is desirous of acquiring my 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, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, my entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in my name applications for Letters Patent in all countries, the same to be held and enjoyed by said 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 me had this assignment, sale and transfer not been made.

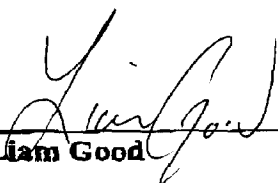
AND I hereby covenant that I have full right to convey my interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors,

**PATENT  
Joint Inventors**

assigns, nominees, or legal representatives, and I agree to communicate to said assignee or to its nominee 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 said 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.

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

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

  
\_\_\_\_\_  
Liam Good

Date: 9 Feb 2001

  
\_\_\_\_\_  
Witness

Date: 9 Feb 2001