



08-30-2001



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FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp 4/94)

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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

<p>1. Name of conveying party(ies):</p> <p>Thomas Hoeg-Jensen Signe Ridderberg Svend Havelund Per Balschmidt Jan Markussen Lauge Schaffer Soren Ostergaard Ib Jonassen</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: Novo Nordisk A/S Internal Address</p> <p>Street Address: Novo Alle DK-2880 Bagsvaerd, Denmark</p>
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8-24-01

<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 Date: June 20, 2001; June 25, 2001; July 3, 2001; July 25, 2001; July 3, 2001; July 3, 2001; July 10, 2001 and July 3, 2001</p>	<p>Additional name(s) & address(es) attached? [] Yes [X] 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: _____

A. Patent Application No.(s) 09/870,884 B. Patent No.(s)

Additional numbers attached? Yes No

<p>5. Name and address of the party to whom correspondence concerning document should be mailed:</p> <p>Name: Reza Green, Esq.</p> <p>Internal Address:</p> <p>Novo Nordisk of North America, Inc.</p> <p>Street Address: 405 Lexington Avenue, Suite 6400</p> <p>City: New York State: NY Zip 10174-6401</p>	<p>6. Total number of applications and patents involved: one</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number 14-1447 (Attach duplicate copy of this page if paying by deposit account)</p>
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DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and any attached copy is a true copy of the original document.

Valeta A. Gregg-Reg No. 35,127 Valeta A. Gregg August 21, 2001
Name of person signing Signature Date

Total number of pages including cover sheet, attachment, document: 4

08/29/2001 LMUELLER 00000271 141447 09870884
01 FC:581 40.00 CH

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Thomas Hoeg-Jensen, a citizen of Denmark, residing at Skovvej 8B, 1. DK-2930 Klampenborg, Denmark;

Svend Havelund, a citizen of Denmark, residing at Kurvej 24, DK-2880 Bagsvaerd, Denmark;

Jan Markussen, a citizen of Denmark, residing at Kikudbakken 7, DK-2730 Herlev, Denmark;

Soren Ostergaard, a citizen of Denmark, residing at Borrebyvej 21, DK-2700 Bronshoj, Denmark;

Signe Ridderberg, a citizen of Denmark, residing at Nybrovej 304, C 37, DK-2800 Lyngby, Denmark;

Per Balschmidt, a citizen of Denmark, residing at Tibberup Alle 20, DK-3060 Espergaerde, Denmark;

Lauge Schaffer, a citizen of Denmark, residing at Hornemansgade 12, DK-2100 Copenhagen O, Denmark; and

Ib Jonassen, a citizen of Denmark, residing at Kirkevaenget 2,DK-2500 Valby, Denmark.

(hereinafter ASSIGNORS), have made a discovery or invention entitled:

**“GLUCOSE DEPENDENT RELEASE OF INSULIN
FROM GLUCOSE SENSING INSULIN DERIVATIVES”**

for which application of Letters Patent of the United States has been filed on May 31, 2001, under Application No. TBA, and

WHEREAS:

Novo Nordisk A/S, a corporation organized under the laws of Denmark, located at Novo Alle, DK-2880 Bagsvaerd, Denmark (hereinafter ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of one dollar (\$1) or the equivalent thereof, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive rights, titles and interests to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, extension, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

SAID ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks 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 Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

SAID ASSIGNORS hereby covenant that we have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over.

AND SAID ASSIGNORS hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, and assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that we will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to us respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives or assigns, we will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for

said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Date: JUNE 20, 2001


Thomas Hoeg Jensen

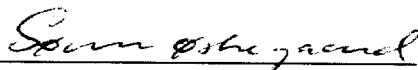
Date: JUNE 25, 2001


Svend Havelund

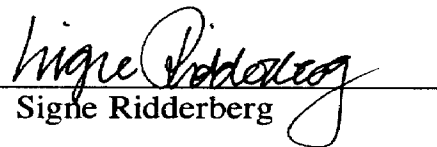
Date: July 3, 2001


Jan Markussen


Date: July 25 2001


Soren Ostergaard

Date: JULY 3, 2001


Signe Ridderberg

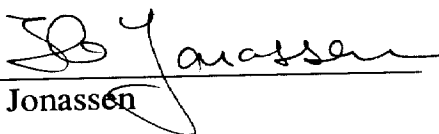
Date: JULY 3, 2001


Per Balschmidt

Date: July 10 2001


Lauge Schaffer

Date: JULY 3, 2001


Ib Jonassen