02-01-1999



FORM PTO-1595 (Rev. 6-93)

RECORDAT (

100954057

.s. DEPARTMENT OF COMMERCE atent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)	
To the Hon. Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies): 1-29-99	<ol><li>Name and address of receiving party(ies):</li></ol>
Marit Kristiansen	Name: Novo Nordisk A/S
Palle Jakobsen Jane Marie Lundbeck	Internal Address:
Birgitte Søkilde	
Karsten Lundgren	Street Address: Novo Alle
	DK-2880 Bagsvaerd, Denmark
Additional name(s) of conveying party(ies) attached? [ ] Yes [x] No	
3. Nature of conveyance:	Additional name(s) & address(es) attached? { ]Yes [x] No
[x] Assignment [] Merger	
[ ] Security Agreement [ ] Change of Name	
[] Other	
Execution Date: 11/12/98; 11/12/98; 11/12/98;	
11/24/98 & 12/3/98	
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) 09/186,400	B. Patent No.(s)
Additional numbers attached? [ ] Yes [x] No	
5. Name and address of the party to whom correspondence	6. Total number of applications and patents involved: one
concerning document should be mailed:	Or 10011 Hands of Apparations and parameter and other
Name: Steve T. Zelson, Esq.	
	7. Total fee (37 CFR 3.41) \$ 40.00
Internal Address:	[] Enclosed
Novo Nordisk of North America, Inc.	[x] Authorized to be charged to deposit account
Street Address: 405 Lexington Avenue,	
	8 Denogit account number.
Suite 6400	8. Deposit account number:
Suite 6400 City: New York State: NY Zip: 10174-6401	14-1447
	<u> </u>
City: New York State: NY Zip: 10174-6401	14-1447
City: New York State: NY Zip: 10174-6401	14-1447  (Attach duplicate copy of this page if paying by deposit account)
City: New York State: NY Zip: 10174-6401  DO NOT USE  9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true as	14-1447 (Attach duplicate copy of this page if paying by deposit account)  THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true at of the original document.	14-1447 (Attach duplicate copy of this page if paying by deposit account)  THIS SPACE  and correct and any attached copy is a true copy
City: New York State: NY Zip: 10174-6401  DO NOT USE  9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true as	14-1447 (Attach duplicate copy of this page if paying by deposit account)  THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and fine original document. Elias J. Lambiris	14-1447  [Attach duplicate copy of this page if paying by deposit account)  THIS SPACE  Ind correct and any attached copy is a true copy  January 70, 1999  Date  Sheet, attachments, and document:
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true at of the original document.  Elias J. Lambiris Name of Person Signing	14-1447 (Attach duplicate copy of this page if paying by deposit account)  THIS SPACE  and correct and any attached copy is a true copy  January 70, 1999 Date

**REEL: 9723 FRAME: 0561** 

## ASSIGNMENT OF APPLICATION FOR PATENT

## WHEREAS:

Marit Kristiansen, a citizen of Denmark, residing at Gustav Esmanns Allé 2, DK-2860 Søborg, Denmark:

Palle Jakobsen, a citizen of Denmark, residing at Langkær Vænge 14, DK-3500 Værløse, Denmark;

Jane Marie Lundbeck, a citizen of Denmark, residing at Evas Allé 19, DK-2600 Glostrup, Denmark;

**Birgitte Søkilde**, a citizen of Denmark, residing at Birkegården 48, DK-3500 Værløse, Denmark; and

Karsten Lundgren, a citizen of Denmark, residing at N. Jespersensvej 25, DK-2000 Frederiksberg, Denmark

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

## **Novel Heterocyclic Compounds**

for which application of Letters Patent of the United States has been filed on November 4, 1998, under Serial No. 09/186,400, 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.

PATENT REEL: 9723 FRAME: 0562 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: 12/11-98

10. (

Date:  $\frac{12/11 - 98^2}{1}$ 

Date: 12/11-23

Marit Kristiansen

Palle Jakobsen

Jane Marie Lundbeck

PATENT REEL: 9723 FRAME: 0563 Date: 24/11-98

Birgitte Søkilde

Date: 3. 0 < 1998

Karsten Lundgren

PATENT REEL: 9723 FRAME: 0564

**RECORDED: 01/20/1999**