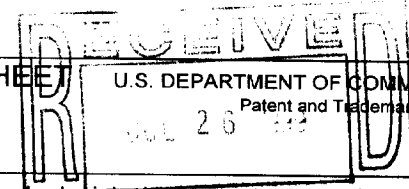


07-28-1999



FORM PTO-1595 (Rev. 6-93)

R

101101726 PATENTS ONLY

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

1. Names of conveying parties:

1) LARS BJÖRCK
 2) ULF SJÖBRING
 3) ABDELHAKIM BEN NASR
 4) ARNE OLSÉN
 5) HEIKO HERWALD
 6) WERNER MÜLLER-ESTERL
 7) EVA MATTSSON

Additional names of conveying parties attached? Yes No

MKD
7-26-99

2. Name and address of receiving party:

Name: ACTINOVA LIMITED

Internal Address: _____

Street Address: 5 SIGNET COURT
SWANNS ROAD

Postal Code & City: CAMBRIDGE CB5 8LA

Country UNITED KINGDOM

Additional names & addresses attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Dates:

1) JUNE 1, 1999 4) JUNE 14, 1999
 2) JUNE 10, 1999 5) JUNE 2, 1999
 3) JUNE 24, 1999 6) MAY 28, 1999
 7) JUNE 17, 1999

4. Application number(s) or registration 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):
09/258,688

B. Patent No(s): _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: SEED AND BERRY LLP

Internal Address: DAVID D. MCMASTERS
6300 COLUMBIA CENTER

Street Address: 701 FIFTH AVENUE

City: SEATTLE State: WA ZIP: 98104-7092

6. Total number of applications and patents involved..... 1

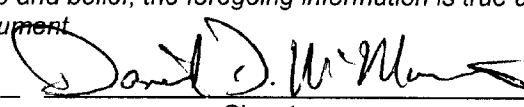
7. Total Fee (37 CFR 3.41): \$40
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
19-1090

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.

DAVID D. MCMASTERS  7/23/99
 Name of Person Signing Signature Date

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

OMB No. 0651-0011 (exp 4/94) winword\ddm\849w1 - Docket No. 100084.408C1

07/28/1999 NGUYEN 00000035 09258688

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40.00 CP

PATENT REEL: 010118 FRAME: 0338

ASSIGNMENT

WHEREAS, we, Lars Björck, Ulf Sjöbring, Abdelhakim Ben Nasr, Arne Olsén, Heiko Herwald, Werner Müller-Esterl, and Eva Mattsson (hereinafter referred to as ASSIGNORS), having post office addresses of Magle Stora Kyrkogata 10, SE-223 50 Lund, Sweden; Stora Tomegatan 40, SE-223 51 Lund, Sweden; 57B Kimberly Road, Cambridge CB4 1HQ, United Kingdom; Fladie Mans Ols vag 21, SE-237 91 Bjarred, Sweden; Sankt Pauli Kyrkogata 14, SE-211 49 Malmo, Sweden; Duesbergweg 6, D-55099 Mainz, Germany; and Olshogsvagen 14, SE-224 60 Lund, Sweden; respectively, are the joint inventors of an invention entitled "TREATMENT OF BACTERIAL INFECTIONS," as described and claimed in the specification forming part of a continuation-in-part application for United States letters patent which was filed on February 26, 1999, and assigned Application No. 09/258,688; this application is a continuation-in-part of U.S. Application No. 09/194,098, filed November 19, 1998, which application is pending; which application claims priority from PCT Application No. PCT/SE97/00825, filed May 20, 1997.

WHEREAS, Actinova Limited (hereinafter referred to as ASSIGNEE), a corporation of the Country of Great Britain having a place of business at 5 Signet Court, Swanns Road, Cambridge CB5 8LA, United Kingdom, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all

instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

June 1, 1999
Date

Lars Björck
Lars Björck

I certify that I know or have satisfactory evidence that Lars Björck is the person who signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Witness: Lizga Maria Bank
Date: June 1, 1999

JUNE 10, 1999
Date

Ulf Sjöbring
Ulf Sjöbring

I certify that I know or have satisfactory evidence that Ulf Sjöbring is the person who signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Witness: Ulf Sjöbring
Date: 10 June 1999

24/06/1999
Date

Abdelhakim Ben Nasr
Abdelhakim Ben Nasr

I certify that I know or have satisfactory evidence that Abdelhakim Ben Nasr is the person who signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Witness: H. A. P. Albi
Date: 24th June 1999

14/06/99
Date

Arne Olsén
Arne Olsén

I certify that I know or have satisfactory evidence that Arne Olsén is the person who signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Witness: [Signature]
Date: 14/06/99

02/06/99
Date

Heiko Herwald
Heiko Herwald

I certify that I know or have satisfactory evidence that Heiko Herwald is the person who signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Witness: [Signature]
Date: 02/06/99

28-05-99

Werner Müller - Esterl

Date

Werner Müller-Esterl

I certify that I know or have satisfactory evidence that Werner Müller-Esterl is the person who signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Witness:

[Handwritten signature]

Date:

28/5/99

990617

[Handwritten signature]

Date

Eva Mattsson

I certify that I know or have satisfactory evidence that Eva Mattsson is the person who signed this instrument of her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Witness:

[Handwritten signature]

Date:

17/6/99

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(100084.408C1)