

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                         | NEW ASSIGNMENT               |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------|---------------------|------------------|--------------------------|------------------------------|------------------|----------------------|------------------------|------------|--------------|------------|--|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                                    | ASSIGNMENT                   |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| CONVEYING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                     |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jorgen Fruensgaard</td><td>01/22/2008</td></tr><tr><td>Henrik Hougaard Vilstrup</td><td>01/25/2008</td></tr><tr><td>Jorgen Rasmussen</td><td>01/22/2008</td></tr><tr><td>Keld Sloth Christensen</td><td>01/22/2008</td></tr><tr><td>Nic Bowman</td><td>01/21/2008</td></tr></tbody></table> | Name                         | Execution Date | Jorgen Fruensgaard  | 01/22/2008       | Henrik Hougaard Vilstrup | 01/25/2008                   | Jorgen Rasmussen | 01/22/2008           | Keld Sloth Christensen | 01/22/2008 | Nic Bowman   | 01/21/2008 |  |
| Name                                                                                                                                                                                                                                                                                                                                                                                     | Execution Date               |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Jorgen Fruensgaard                                                                                                                                                                                                                                                                                                                                                                       | 01/22/2008                   |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Henrik Hougaard Vilstrup                                                                                                                                                                                                                                                                                                                                                                 | 01/25/2008                   |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Jorgen Rasmussen                                                                                                                                                                                                                                                                                                                                                                         | 01/22/2008                   |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Keld Sloth Christensen                                                                                                                                                                                                                                                                                                                                                                   | 01/22/2008                   |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Nic Bowman                                                                                                                                                                                                                                                                                                                                                                               | 01/21/2008                   |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                     |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| <table border="1"><tr><td>Name:</td><td>AstraZeneca AB</td></tr><tr><td>Street Address:</td><td>R&amp;D Headquarters</td></tr><tr><td>Internal Address:</td><td>Global Intellectual Property</td></tr><tr><td>City:</td><td>SE-151 85 Sodertalje</td></tr><tr><td>State/Country:</td><td>SWEDEN</td></tr><tr><td>Postal Code:</td><td>.</td></tr></table>                                | Name:                        | AstraZeneca AB | Street Address:     | R&D Headquarters | Internal Address:        | Global Intellectual Property | City:            | SE-151 85 Sodertalje | State/Country:         | SWEDEN     | Postal Code: | .          |  |
| Name:                                                                                                                                                                                                                                                                                                                                                                                    | AstraZeneca AB               |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                          | R&D Headquarters             |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Internal Address:                                                                                                                                                                                                                                                                                                                                                                        | Global Intellectual Property |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| City:                                                                                                                                                                                                                                                                                                                                                                                    | SE-151 85 Sodertalje         |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                           | SWEDEN                       |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                             | .                            |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                                                                                                |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11962860</td></tr></tbody></table>                                                                                                                                                                                                                             | Property Type                | Number         | Application Number: | 11962860         |                          |                              |                  |                      |                        |            |              |            |  |
| Property Type                                                                                                                                                                                                                                                                                                                                                                            | Number                       |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                      | 11962860                     |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                      |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Fax Number: (877)769-7945<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>                                                                                                                                                                                                                                                                        |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Phone: (541) 385-9140                                                                                                                                                                                                                                                                                                                                                                    |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Email: morin@fr.com                                                                                                                                                                                                                                                                                                                                                                      |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Correspondent Name: Celia H. Leber                                                                                                                                                                                                                                                                                                                                                       |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Address Line 1: FISH & RICHARDSON P.C.                                                                                                                                                                                                                                                                                                                                                   |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Address Line 2: P.O.BOX 1022                                                                                                                                                                                                                                                                                                                                                             |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022                                                                                                                                                                                                                                                                                                                                        |                              |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                  | 06275-598001                 |                |                     |                  |                          |                              |                  |                      |                        |            |              |            |  |

CH \$40.00 11962860

500456330

PATENT  
REEL: 020465 FRAME: 0153

NAME OF SUBMITTER:

Darlene J. Morin

**Total Attachments: 9**

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**PATENT**

**REEL: 020465 FRAME: 0154**

### ASSIGNMENT

Now, therefore, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, I/we

Nicholas Bowman of Sagentia Ltd., Harston Mill, Harston, Cambridge CB2 5GG, United Kingdom  
Jørgen Fruensgaard of Bang & Olufsen Medicom A/S, Gimsinglundvej 20, DK-7600 Struer, Denmark  
Jørgen Funder Rasmussen of Solute Aps, Bredgade 25, DK-7600 Struer, Denmark  
Henrik Hougaard Vilstrup of Bang & Olufsen Medicom A/S, Gimsinglundvej 20, DK-7600 Struer, Denmark  
Keld Sloth Christensen of Bang & Olufsen Medicom A/S, Gimsinglundvej 20, DK-7600 Struer, Denmark

hereafter referred to as ASSIGNOR(S),

Hereby sell(s), assign(s) and transfer(s) to ASSIGNEE AstraZeneca AB, a company created and existing under the laws of Sweden, having its Head Office at SE-151 85 Södertälje, Sweden, and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, in and to the inventions and any and all improvements thereon which are the subject of an application entitled:

NEW INHALER 624

And which is disclosed in:

- (a) ☐ U.S. patent application executed on even date herewith;
- (b) ☐ U.S. patent application executed on \_\_\_\_\_;  
11/962,860 December 21, 2007
- (c) ☒ U.S. application no. \_\_\_\_\_ filed on \_\_\_\_\_;
- (d) ☐ International application no. \_\_\_\_\_ filed on \_\_\_\_\_

And in and to the above application and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to any division, continuation or continuation-in-part, renewal or substitute thereof, and in and to all resulting Letters Patents or any reissue or reexamination thereof, to have and to hold the same to the full end of the term or terms for which any and all of said Letters Patent may be granted;

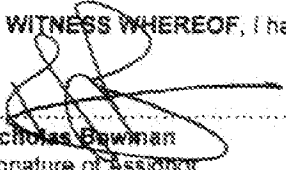
ASSIGNOR(S) authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns;

ASSIGNOR(S) hereby covenant(s) that ASSIGNOR(S) has/have the full power to make this assignment, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

Without further payment or compensation by the ASSIGNEE or its successors and assigns, ASSIGNOR(S) further covenant(s) and agree(s) to communicate to said ASSIGNEE or its representatives, agents, its successors or assigns, any facts relating to said invention or inventions including evidence for purposes of interference or other administrative or legal proceedings whenever requested; to testify in any interference, legal or administrative proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

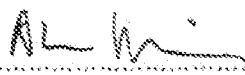
Any attorney of record is authorized and requested by the execution of this assignment to insert into this assignment any further information necessary for recordation of this document.

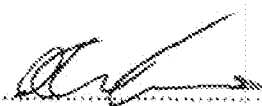
IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

  
Nicholas Bowman  
Signature of Assignor

21 Jan 2008  
Date of Assignor's Signature

WITNESSED BY:

  
Signature of Witness  
Name of Witness  
(Type or print clearly)  
ALASTAIR WILLOWHOBY

  
Signature of Witness  
Name of Witness  
(Type or print clearly)  
PAUL WILKINS

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

Jörgen Fruensgaard  
Signature of Assignor

Date of Assignor's Signature

WITNESSED BY:

Signature of Witness  
Name of Witness  
(Type or print clearly)

Signature of Witness  
Name of Witness  
(Type or print clearly)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

Jörgen Funder Rasmussen  
Signature of Assignor

Date of Assignor's Signature

WITNESSED BY:

Signature of Witness  
Name of Witness  
(Type or print clearly)

Signature of Witness  
Name of Witness  
(Type or print clearly)

Additional signature pages attached: ☒ Yes ☐ No

500004272000

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

Henrik Hougaard Vilstrup  
Signature of Assignor

Date of Assignor's Signature

WITNESSED BY:

Signature of Witness  
Name of Witness  
(Type or print clearly)

Signature of Witness  
Name of Witness  
(Type or print clearly)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

Keld Sloth Christensen  
Signature of Assignor

Date of Assignor's Signature

WITNESSED BY:

Signature of Witness  
Name of Witness  
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Signature of Witness  
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Additional signature pages attached: ☐ Yes ☒ No

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(d) ☐ International application no. \_\_\_\_\_ filed on \_\_\_\_\_

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.....  
Nicholas Bowman  
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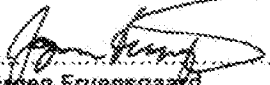
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Date of Assignor's Signature

WITNESSED BY:

.....  
Signature of Witness  
Name of Witness  
(Type or print clearly)

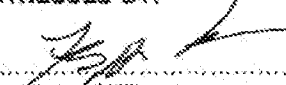
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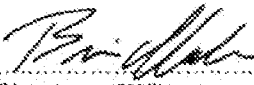
IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

  
.....  
Jørgen Fruensgaard  
Signature of Assignor

22.01.2008  
.....  
Date of Assignor's Signature

WITNESSED BY:

  
.....  
Signature of Witness  
Name of Witness  
(Type or print clearly) JESPER GRUNDAHL

  
.....  
Signature of Witness  
Name of Witness  
(Type or print clearly) BRIAN MADSEN

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

.....  
Jørgen Funder Rasmussen  
Signature of Assignor

.....  
Date of Assignor's Signature

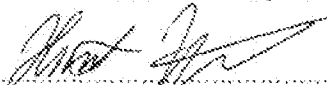
WITNESSED BY:

.....  
Signature of Witness  
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.....  
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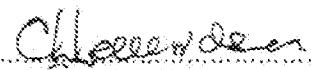
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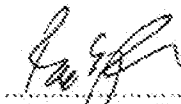
IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

  
Henrik Hougaard Vilstrup  
Signature of Assignor

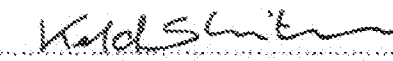
25-01-2008  
Date of Assignor's Signature

WITNESSED BY:

  
Signature of Witness  
Name of Witness  
(Type or print clearly) Carsten W. Lauridsen

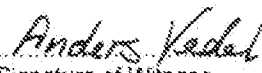
  
Signature of Witness  
Name of Witness  
(Type or print clearly) Paul Erik Falsvick

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

  
Keld Sloth Christensen  
Signature of Assignor

2008-01-22  
Date of Assignor's Signature

WITNESSED BY:

  
Signature of Witness  
Name of Witness  
(Type or print clearly) ANDERS VEDER

  
Signature of Witness  
Name of Witness  
(Type or print clearly) JØRGEN FRIMUSCHARD

Additional signature pages attached: ☐ Yes ☒ No



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Nicholas Bowman  
Signature of Assignor

Date of Assignor's Signature

WITNESSED BY:

Signature of Witness  
Name of Witness  
(Type or print clearly)

Signature of Witness  
Name of Witness  
(Type or print clearly)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

Jørgen Fruensgaard  
Signature of Assignor

Date of Assignor's Signature

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Signature of Witness  
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(Type or print clearly)

Signature of Witness  
Name of Witness  
(Type or print clearly)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

Jørgen Funder Rasmussen  
Signature of Assignor

22/ 2008  
Date of Assignor's Signature

WITNESSED BY:

Signature of Witness  
Name of Witness  
(Type or print clearly)

Signature of Witness  
Name of Witness  
(Type or print clearly)

Additional signature pages attached: ☒ Yes ☐ No

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Henrik Hougaard Vilstrup  
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