April 19, 1999 A. Patent Application No.(s):  Additional number  Name/address of party to whom correspondence concerning document should be mailed:  William E. Booth Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	2. Name and address of receiving party(ies):  Astra Aktiebolag S-151 85 Södertälje Sweden  Additional names/addresses attached? ☐ Yes No  12-21-1999  101229553  An, the execution date of the application is: April 6, 1999 and B. Patent No.(s):  12-21-1999  101229553  An, the execution date of the application is: April 6, 1999 and B. Patent No.(s):  13-21-1999  14-21-1999  15-21-1999  16-1999  17-21-1999  18-21-1999  19-21-1999  19-21-1999  19-21-1999  10-21-
Göran Marnfeldt and Stephen Theobald  Additional name(s) attached?  Yes No  Nature of conveyance: Assignment Merger Security Agreement Change of Name Other:  Execution Date: April 6, 1999 and April 19, 1999  Application number(s) or patent number(s): If this document is being filed with a new application April 19, 1999  A. Patent Application No.(s):  Additional number  Name/address of party to whom correspondence concerning document should be mailed:  William E. Booth Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804  DO NOT Control of the best of my knowled and the attached is the original document.  William E. Booth Name of Person Signing  Signature	2. Name and address of receiving party(ies):     Astra Aktiebolag     S-151 85 Södertälje     Sweden  Additional names/addresses attached?    Yes     No  12-21-1999  101229553  An, the execution date of the application is: April 6, 1999 and B. Patent No.(s):  12-21-1999  101229553  An, the execution date of the application is: April 6, 1999 and B. Patent No.(s):  13-21-1999  14-21-1999  15-21-1999  16-1999  17-25-189  18-25-189  19-25-189  19-25-189  10-25-1
Assignment    Merger   Security Agreement   Change of Name   Other:    Execution Date: April 6, 1999 and April 19, 1999   Application number(s) or patent number(s):   If this document is being filed with a new application April 19, 1999   A. Patent Application No.(s):    Additional number	No  12-21-1999  101229553  In, the execution date of the application is: April 6, 1999 and B. Patent No.(s):  Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: April 6, 1999 and B. Patent No.(s):  101229553  In the execution date of the application is: Apr
Merger   Security Agreement   Change of Name   Other:    Execution Date: April 6, 1999 and April 19, 1999	and the execution date of the application is: April 6, 1999 and B. Patent No.(s):  Total number of applications/patents involved:  7. Total fee (37 CFR 3.41): \$40  ■ Enclosed □ Authorized to charge deposit account  8. Deposit account number: 06-1050 If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, any credits, to our Deposit Account No. 06-1050
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Name/address of party to whom correspondence concerning document should be mailed:  William E. Booth Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804  DO NOT USE 18 THE STREET	<ul> <li>6. Total number of applications/patents involved: 7</li> <li>7. Total fee (37 CFR 3.41): \$40  ■ Enclosed  □ Authorized to charge deposit account</li> <li>8. Deposit account number: 06-1050  If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, any credits, to our Deposit Account No. 06-1050</li> </ul>
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Total number of pages including co	
	over sheet, attachments, and document: 3
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	Date of Deposit 10/1999  I hereby certify under 37 OR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail"
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	Patents, Washington, D.C. 20231.

REEL: 010443 FRAME: 0445

## ASSIGNMENT

For valuable consideration, we, Göran Marnfeldt of Astra Draco AB, P. O. Box 34, S-221 00 Lund, Sweden; and Stephen Theobald of Bang & Olufsen Technology A/S, ... Bödkervej 2, DK-7600 Struer, Denmark; hereby assign to ASTRA AKTIEBOLAG, a Swedish corporation having a place of business at S-151 85 Södertälje, Sweden, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled INHALATION DEVICE; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

this day of April 1995	
Göran Marnfeldt	L.S.
Göran Marnfeldt	
Witnessed by: Jan Vrofold	
Name: JAW TROFICST	Date: 6 April 1995
Witnessed by:	,
Name: Johan Waldeck	Date: 6 Afrit 1599

PATENT REEL: 010443 FRAME: 0446

this MON day of 19THAPPIL, 1999

Stephen Theobald

L.S.

Date: 199904/9

Witnessed by: Christian G. Pederson

Name: Christian Giptz Pedersen

**PATENT** REEL: 010443 FRAME: 0447

**RECORDED: 05/10/1999**