FORM PTO-1595 (Rev. 6-93)	100906849	:E	U.S. DEPARTMENT OF COMMERCE T Patent and Trademark Office				
To the Honorable Asst. Commissioner,	TUU9UU043	ne attached orio	ginal documents or copy thereof.				
1. Name of conveying party(ies):			ress of receiving party(ies):				
Gordon Stork, Kuxen Pham, Micheal J. F Naydo Derlick J. Parks, and Patrick Reich	Rocchio, Kyle A. Nar		Inhale Therapeutic Systems				
Addition (Sparme(s) of conveying party(ies) attached?	Yes X No	rnal Address:	150 Industrial Road				
3. Nature of conveyance:							
x Assignment Me	rger City	r: San Carlos	State: California ZIP: 94070				
Execution Date: 10/25/98, 10/29/98, 11 11/10/98		litional name(s)	& address(es) attached? Yes X No				
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) 09/154	, 930 B. F	Patent No.(s)					
Additional numbers attached? Yes x No							
Name and address of party to whom corconcerning document should be mailed:	respondence 6.	Total number of	f applications and patents involved: 1				
Name: Darin J. Gibby		7. Total fee (37 CFR 3.41): \$ 40.00					
TOWNSEND and TOWNSEND and (Two Embarcadero Center, 8th Floor	SHEW LLP	Enclosed	x Charge Fees to Deposit Account				
San Francisco, California 94111-3834 (303) 571-4000	534	— during the p	additional fees associated with this paper or pendency of this application, or credit any nt, to deposit account				
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FC:581 40.00 CH	-		1				
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9. Statement and signature. To the best of my knowledge and belief, of the original document.	the foregoing informa	tion is true and	correct and any attached copy is a true copy				
Darin J. Gibby Name of Person Signing Sig	nature —		November 12, 1998 Date				
	Total number of pages	including cove	er sheet, attachments, and document: 3				
10. Change Correspondence Address to tha	t of Part 5? x Yes	No					
OMB No. 0651-0011 (exp. 4/94)							
Do not detach this portion Mail documents to be recorded with required cover sheet information to: Asst. Commissioner for Patents Box Assignments							
Washington, D.C. 20231 F:\DATA\15225\00301.COV							

PATENT REEL: 9598 FRAME: 0622

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Gordon Stout, 401 Evelyn #27, Albany California 94706; Xuyen Pham of 114 Lurene Drive, Fremont, California 94539; Micheal J. Rocchio of 2542 Jacob Street, Hayward, California 94541; Kyle A. Naydo of 902 Rockefeller Drive 3A, Sunnyvale, California 94087; Derrick J. Parks of 1535 White Oak Way, San Carlos, California 94070 and Patrick Reich, 1555 W. Hillsdale Boulevard, San Mateo, California 94402, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: POWDER FILLING APPARATUS AND METHODS FOR THEIR USE

	Filing date:	September 17, 1998	Serial No.:	09/154,930	; and
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WHEREAS, Inhale Therapeutic Systems a California corporation, located at 150 Industrial Road, San Carlos, California 94070, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and

PATENT REEL: 9598 FRAME: 0623 IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 11/5/58

Gordon Stout

Xuyen Pham

Date: 11/5/98

Michael J. Rocchio

Date: 29./0.92

Kyle A. Naydo

Date: 11/0/98

Date: /

Patrick Reich

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RECORDED: 11/16/1998