PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|--|
| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |

CONVEYING PARTY DATA

| Name | Execution Date |
|---|----------------|
| The University of North Carolina at Chapel Hill | 03/20/2001 |

RECEIVING PARTY DATA

| Name: | National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government | |
|-------------------|--|--|
| Street Address: | NIH Division of Extramural Inventions and Technology Resources (DEITR) | |
| Internal Address: | 6705 Rockledge Drive, Suite 310, MSC 7980 | |
| City: | Bethesda | |
| State/Country: | MARYLAND | |
| Postal Code: | 20892-7980 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 09465429 |

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Total Attachments: 1

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PATENT REEL: 021060 FRAME: 0849

500560043

LICENSE TO THE UNITED STATES GOVERNMENT

0578206-99-0006

Invention Title:

Salt Substitutes for the Treatment and Diagnosis of Lung Disease

and For the Delivery of Pulmonary Drugs

Inventor(s):

Richard C. Boucher

Patent or Application Serial No.: 09/465,429

U.S. Filing/Issue Date:

December 21, 1999

Grant/Contract Identification Number(s):

HL 34322 / EIR # 0578206-99-0006

Grantee/Contractor File #:

OTD99-61

Foreign Applications filed/intended in (countries):

PCT/US00/30585 filed 12/21/99;

not yet known

The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14 or FAR 52.227-11, which are included among the terms of the above-identified grant/contract award from the Public Health Service/National Institutes of Health. This document is confirmatory of:

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The Government is hereby granted an irrevocable power to inspect and make copies of the

Signed this 20 day of March 2001.

Mark Crowell, Associate Vice Chancellor, Technology Development

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PATENT **REEL: 021060 FRAME: 0850**

RECORDED: 06/06/2008