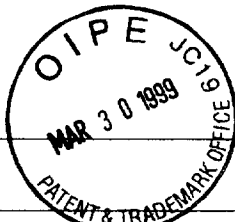


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ney Docket No. 17148-001210

FORM PTO-1595 (Rev. 6-93)



U.S. Department of Commerce Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents.

101008286

ents or copy thereof

1. Name of conveying party(ies):

CHRISTOPHER M.H. NEWMAN & AXEL F. BRISKEN

Additional name(s) of conveying parties attached?

Yes No.

2. Name and address of receiving party(ies)

Name: PHARMASONICS, INC.

Internal Address:

Street Address: 1024 Morse Avenue

City: Sunnyvale State: CA ZIP: 94089

Additional names and addresses attached?

Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other:

Execution Date: March 12 & 20, 1999

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 09/223,231 B. Patent No(s):

Additional numbers attached? Yes No

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

Name: JAMES M. HESLIN
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200

6. Total number of applications and patents involved 01

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed Charge Fees to Deposit Account
- Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8 Deposit account number: 20-1430

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To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Mark D. Barrish
Name of Person Signing

Signature

March 26, 1999
Date

Atty Reg. No. 36,443 Total number of pages including cover sheet, attachments and document 02

10. Change Correspondence Address to that of Part 5? Yes No

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Mail documents to be recorded with required cover to: Do not detach this portion

Asst. Commissioner for Patents
Box: Assignments
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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, CHRISTOPHER M.H. NEWMAN, of 58 Devonshire Road, Dore, Sheffield, UK S17 3NW, AXEL F. BRISKEN, of 764 Boar Circle, Fremont, CA 94539, 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 Invention: METHODS, SYSTEMS, AND KITS FOR
INTRAVASCULAR NUCLEIC ACID
DELIVERY

Date(s) of execution of Declaration: MARCH 12 & 20, 1999

Filing Date: December 30, 1998

Application No.: 09/223,231; and

WHEREAS, PHARMASONICS, INC., located at 1024 Morse Avenue, Sunnyvale, California 94089, a corporation of California, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. 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 assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 3/20/99


CHRISTOPHER M.H. NEWMAN

Dated: 3/12/99


AXEL F. BRISKEN

PA 179483 v1