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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 10-19-01 BioTherapies, Inc.

2. Name and address of receiving party(ies) Name: Atrium Biotech USA Inc.

Additional name(s) of conveying party(ies) attached? [] Yes [x] No

3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Internal Address: Street Address: 9 Commerce Road City: Fairfield State: New Jersey Zip: 07004

Execution Date: September 29, 2000

Additional 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)

B. Patent No.(s) 5,075,112 OCT 19 2001

Additional numbers attached? [] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Randall C. Brown Internal Address: Street Address: Akin, Gump, Strauss, Hauer & Feld, LLP P.O. Box 688 City: Dallas State: TX Zip: 75313-0688

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)\$40.00 [x] Enclosed [] Authorized to be charged to deposit account

8. Deposit account number: 01-0657 (Attach duplicate copy of this page if paying by deposit account)

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

Signature of Randall C. Brown Name of Person Signing

Signature

Date 10/16/01

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

10/29/2001 ENVELLER 00000111 5075.12

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014985.0008 DALLAS 483793 v1

ASSIGNMENT

WHEREAS,

BIOETHERAPIES INC., formerly **CARTILAGE TECHNOLOGIES INC.**, a company incorporated under the laws of the State of New Jersey, having its head office and principal place of business at 9 Commerce Road, Fairfield, NJ, 07004, USA, herein acting and represented by Dr. Stephen Holt, President and Chief Executive Officer (hereinafter the "Assignor"),

is the owner of (i) certain inventions described and claimed in U.S. Patent Serial No. 5,075,112 entitled **METHOD OF AND DOSAGE UNIT FOR INHIBITING ANGIOGENESIS OR VASCULARIZATION IN AN ANIMAL USING SHARK CARTILAGE** (inventor: Irwin W. Lane) issued on December 24, 1991; (ii) certain inventions as described and claimed in the related reissue application, namely U.S. Patent Application Serial No. 08/517,711 entitled **METHOD OF AND DOSAGE UNIT FOR INHIBITING ANGIOGENESIS OR VASCULARIZATION IN AN ANIMAL USING SHARK CARTILAGE** filed March 16, 1999 (inventor: Irwin W. Lane) ; and (iii) any and all related international applications, intellectual property and know-how licenses; (collectively, the "Invention");

AND WHEREAS,

ATRIUM BIOTECH USA INC., a company incorporated under the laws of the State of Delaware, having its head office and principal place of business at 9 Commerce Road, Fairfield, NJ, 07004, USA, herein acting and represented by Mr. Luc Dupont, President and Chief Executive Officer (hereinafter the "Assignee"),

wishes to acquire the entire right, title and interest in and to the Invention;

NOW THEREFORE, in consideration of the sum of One Canadian Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by the undersigned, the Assignor does hereby sell, assign and transfer, to the Assignee all of the Assignor's right, title and interest in and to the Invention and all patent rights owned by the Assignee world-wide in respect of the Invention, any and all continuations, divisions, renewals and substitutions of such application, all priority rights associated with any of the Invention under any international conventions (including the *Paris Convention for the Protection of Industrial Property*), all Letter Patent which may hereafter be granted on any of same in The United States of America or any other country or region, and all reissues of such Letters Patent, as fully and entirely as the same would have been held by the Assignor had this assignment and sale not been made.

The Assignor, as part of the foregoing, hereby further agrees to promptly assist with, execute and deliver all applications, declarations, verifications, responses, submissions, assignments and such further documents, and to provide such other acts and assistance to enable the Assignee or any nominee of the Assignee to apply for, acquire, prosecute

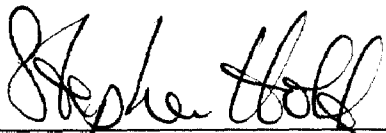


applications for, perfect, protect, maintain and enforce any and all right, title and interest in and to the Invention and said Letter Patent in any and all countries.

IN WITNESS WHEREOF the Assignor has caused this assignment to be duly executed in the City of Fairfield, in the State of New Jersey, in the United States, on this 29th day of September, 2000.

BIOETHERAPIES INC. (formerly CARTILAGE TECHNOLOGIES INC.)

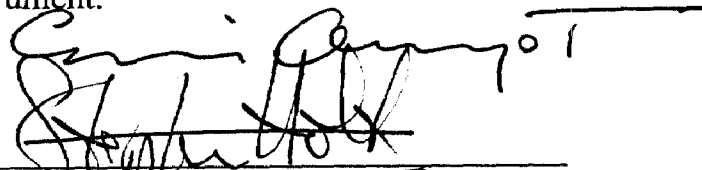
By:



Dr. Stephen Holt
President and Chief Executive Officer

STATEMENT OF WITNESS

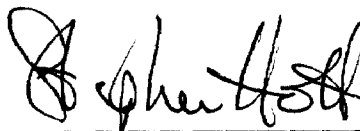
On this 29th day of September, 2000, before me, personally appeared **DR. STEPHEN HOLT** of **BIOETHERAPIES INC.**, known to me to be the individual who executed the foregoing instrument.



Name: **ERIC AMYOT**
Title: **ATTORNEY**

INTERVENTION

The undersigned, Dr. Stephen Holt, hereby irrevocably assigns and transfers to the Assignee all of its rights and interests, if any, in the Invention and undertakes to execute all documents and instruments and do all further and other things as may be necessary to implement and carry out the terms of this Agreement.



DR. STEPHEN HOLT, M.D.

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