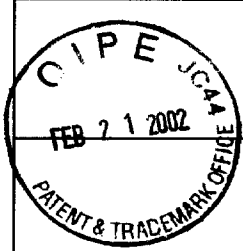


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Attorney Docket Number
6287-029

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Box Assignment
Washington, DC 20231

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

PHARMASTEM CORPORATION

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: February 21, 2002

2. Name and address of receiving party(ies):

Name: PHARMASTEM THERAPEUTICS, INC.

Address: 202 Stratford Park Circle

Del Mar, California 92014

Country (if other than USA):

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) 08/443,221

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

PENNIE & EDMONDS LLP
1155 Avenue of Americas
New York, N.Y. 10036-2711

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00
Please charge to the deposit account listed in Section 8.8. Deposit account number:
16-1150

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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.

Adriane M. Antler
Name of Person Signing

32,605
Reg. No.

Signature

February 21, 2002
Date

Total number of pages including cover sheet:

2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignment
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03/04/2002 RANMED1 00000058 161150 08443221
01 FC:581 40.00 CH

PATENT
REEL: 012615 FRAME: 0203

NY2 - 1289298.1

ASSIGNMENT

WHEREAS, PHARMASTEM CORPORATION (herein called "PHARMASTEM"), a corporation of the state of Delaware, having a place of business at 800 The Safeguard Building, Suite 801, 435 Devon Park Drive, Wayne, Pennsylvania 19087-1945, is the owner of the entire, right, title and interest in, to and under United States Patent Application Serial No. 08/443,221, entitled "ISOLATION AND PRESERVATION OF FETAL AND NEONATAL HEMATOPOIETIC STEM AND PROGENITOR CELLS OF THE BLOOD", filed on May 17, 1995, in the name of Edward A. Boyse, Hal E. Broxmeyer, and Gordon W. Douglas, which is identified by Pennie & Edmonds as docket no. 6287-029, as well as the invention described and claimed therein;

WHEREAS, PHARMASTEM THERAPEUTICS, INC. (herein called "ASSIGNEE"), a corporation of the state of Delaware, having a place of business at 202 Stratford Park Circle, Del Mar, California 92014, is desirous of obtaining the entire right, title and interest in, to and under the said application and the invention described and claimed therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, PHARMASTEM has sold, assigned, transferred and set over, and by those presents hereby sells, assigns, transfers and sets over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest in, to and under said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon, and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may have been or may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND PHARMASTEM HEREBY authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND PHARMASTEM HEREBY covenants and agrees that PHARMASTEM has full right to convey the entire interest herein assigned, and that PHARMASTEM has not executed, and will not execute, any agreement in conflict herewith.

AND PHARMASTEM HEREBY further covenants and agrees that PHARMASTEM will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to PHARMASTEM respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, and foreign applications, make all rightful oaths, and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries, including obtaining the cooperation and assistance of the inventors of said application and the invention described and claimed therein to do all the foregoing acts.

IN TESTIMONY WHEREOF, PHARMASTEM has caused this Assignment to be executed by its duly authorized Officer this 21st day of February, 2002.

PHARMASTEM CORPORATION

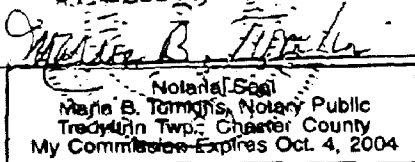
By:

Christopher Moller
Chairman of the Board of Directors

State of)
) SS:
County of)

On February 21, 2002, before me, MARIA B. TOMKINS, Notary Public, personally appeared Christopher Moller, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal



Member, Pennsylvania Association of Notaries