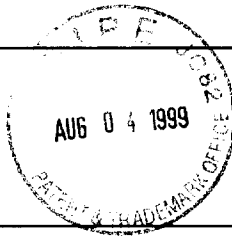


08-06-1999

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

1. Name of conveying party(ies):

Paul Blum

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

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

Name The Board of Regents of the University of Nebraska

Internal Address: _____

Street Address: Regents Hall3835 Holdrege St.City LincolnState NE ZIP 68588Additional name(s) & addresses(es) attached?
☐ Yes ☒ No

3. Name of Conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other _____Execution Date: June 30, 1999

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)

09/313,277

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: Robert J. JondleInternal Address: Rothwell, Figg, Ernst & KurzStreet Address: 555 13th Street NW, Suite 701-ECity: WashingtonState: DC Zip 200046. Total number of applications
and patents involved: 17. Total fee (37 CFR 3.41): . . . \$ 40.00☒ Enclosed☐ Authorized to be charged to 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.*Nancy T. Morris #42,017

Name of Person Signing

Signature

August 3, 1999

Date

Total number of pages including cover sheet, attachments and documents: 2

08/05/1999 INHUYEN 00000208 09313277

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ASSIGNMENT

WHEREAS, I, PAUL BLUM, a citizen of the United States, residing at 4420 Van Dorn Street, Lincoln, Nebraska, am the inventor of an invention in "Growth State-Specific Immunofluorescent Probes for Determining Physiological State and Method of Use" for which I have executed an application for Letters Patent of the United States, serial number 09/313,277, filed May 18, 1999, which is a continuation application from a provisional application filed May 18, 1998, with Serial No. 60/085,897; and

WHEREAS, THE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA ("BOARD"), a public body corporate of the State of Nebraska, having offices at Regents Hall, 3835 Holdrege Street, Lincoln, Nebraska, pursuant to the Bylaws of said BOARD, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application or improvements throughout the world, and said application for United States Letters Patent and any applications for Letters Patent and the Letters Patent therefor in any country or countries foreign to the United States;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said PAUL BLUM have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said BOARD, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent 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 all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said BOARD, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to said BOARD, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said BOARD, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30 day of June, 1999.



PAUL BLUM