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Form PTO-1595 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office 1-31-92 SHEET 101920705 To the Commissioner for Patents. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies)? 1. Name of conveying party(ies): Hashem AKHAVAN-TAFTI LUMIGEN, INC. 22900 W. Eight Mile Road Southfield, Michigan 48034 Additional name(s) of conveying party(ies) attached? 1 no □ yes 11.21.01 3. Nature of Conveyance: ☐ Merger ☑ Assignment ☐ Security Agreement ☐ Change of Names Additional name(s) & address(es) attached? ☐ Other □ ves ☑ no **Execution Date:** 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: B. Patent No.(s) A. Patent Application No.(s)/Contirmation No.(s) Additional numbers attached? ☐ Yes 6. Total number of applications and registration involved: 5. Name and address of party to whom correspondence concerning document should be mailed: \$40.00 7. Total Fee (37 CFR 3.41): SUGHRUE MION, PLLC ☑ Enclosed. Please charge any underpayment in 2100 Pennsylvania Avenue, N.W. connection with this Assignment to Deposit Account No. 19-4880. Suite 800 ☐ Authorized to be charged to Deposit Account Washington, D.C. 20037-3213 8. Deposit Account No. 19-4880 DO NOT WRITE IN THIS SPACE 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. November 21, 201 # **21,092**Reg. No. 32,197 TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 3 OMB No. 0651-0011 (exp. 4/94) Do not detach this portion

> Commissioner for Patents Box Assignments Washington, D.C. 20231

> > PATENT REEL: 012379 FRAME: 0888

ASSIGNMENT

WHEREAS, I, Hashem Akhavan-Tafti residing at 4545 Vines Road, Howell, Michigan 48834, (Assignor) have invented certain new and useful improvements in METHODS OF DETECTING POLYNUCLEOTIDE KINASE AND ITS USE AS A LABEL for which a provisional application for United States Letters Patent was signed by me on March 23, 2000; and

WHEREAS, LUMIGEN, INC., a corporation of the State of Michigan, whose post office address is 22900 W. Eight Mile Road, Southfield, Michigan 48034, (Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, the receipt whereof is hereby acknowledged, and other valuable considerations, I the Assignor, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries, including rights of priority under the Paris Convention (1883) as amended, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

I hereby authorize and request the Patent and Trademark Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Assignee as the Assignee of my entire right, title and interest in and to the same for the sole use and benefit of the said Assignee, its successors and assigns.

FURTHER, I agree that I will communicate to said

1

Assignee or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20th day of March, 2001.

Signed in the Presence of:

Nucle Rlockhart 1

Hashem Akhavan-Tafti

STATE OF MICHIGAN :

ss.

COUNTY OF Cakland:

On this 20th day of March, 2001, personally appeared before me the above named Hashem Akhavan-Tafti to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed in and for the purposes set forth in said instrument.

SEAL

My Commission Expires:

Ordere K. Chambers

John Brublic

July 31, 2003

Acting in Oakland County

2

PATENT REEL: 012379 FRAME: 0890