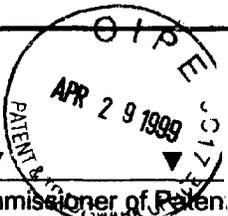


05-05-1999



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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To the Honorable Commissioner of Patents

Enclosed are the attached original documents or copy thereof.

1. Name of conveying party(ies):

MICHEL H. KLEIN

Additional names(s) of conveying party(ies) Yes No

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

Name: CONNAUGHT LABORATORIES LIMITED

Address: 1755 Steeles Avenue West,

City: North York State/Prov.: Ontario

Country: Canada ZIP: M2R 3T4

Additional name(s) & address(es) Yes No

3. Nature of conveyance:

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

Execution Date: April 13, 1999

4. Application number(s) or registration numbers(s):

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

Patent Application No.

Filing date

B. Patent No.(s)

09/268,347

March 16, 1999

Additional numbers Yes No

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

Name: MICHAEL I. STEWART

Registration No. 24,973

Address: SIM & McBURNEY

330 University Avenue

6th Floor

City: Toronto State/Prov.: Ontario

Country: Canada ZIP: M5G 1R7

6. Total number of applications and patents involved: 1

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

05/04/1999 DMGUYEN 00000337 09268347

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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.

Michael I. Stewart

April 28, 1999

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

3

7056-100

ASSIGNMENT

WHEREAS, we, ~~SHEENA M. LOOSMORE, YAN PING YANG,~~ and MICHEL H. KLEIN, citizens of Canada residing respectively at ~~70 Crawford Rose Drive, Aurora, Ontario, Canada, L4G 4R4; Apt. 709, 120 Torrensedale Avenue, Willowdale, Ontario, Canada, M2R 3N7;~~ and 16 Munro Boulevard, Willowdale, Ontario, Canada, M2P 1B9, have invented certain new and useful improvements in **RECOMBINANT HAEMOPHILUS INFLUENZAE ADHESIN PROTEINS**, for which invention we executed an application for Letters Patent of the United States of America on _____; and

WHEREAS, we verily believe ourselves to be the original, first and joint inventors of the invention set forth in said application for Letters Patent; and

WHEREAS, CONNAUGHT LABORATORIES LIMITED, a company organized and existing under the laws of the Province of Ontario, sometimes referred to as "said assignee" having a place of business at 1755 Steeles Avenue West, North York, Ontario, Canada, M2R 3T4, are desirous of acquiring the entire and exclusive right, title and interest in and to said invention, any and all patent applications which may be filed thereon, and any and all Letters Patent which may be granted or issued thereon in the United States and throughout the world, including any and all divisions, continuations, reissues and extensions of any of the foregoing;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), to us in hand paid by the said CONNAUGHT LABORATORIES LIMITED, and other good and valuable consideration, receipt of which is hereby acknowledged, we, the said ~~SHEENA M. LOOSMORE, YAN PING YANG,~~ and MICHEL H. KLEIN, have sold, assigned, transferred and set over and do hereby sell, assign, transfer and set over unto the said assignee, its successors and assigns, the entire and exclusive right, title and interest in and to said invention, patent applications and Letters Patent which may be granted or issued for said invention in the United States and throughout the world, including all divisions, continuations, reissues and extensions thereof and all international priority rights associated therewith all to be held by us had this assignment not been

made, and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the duly constituted authorities of all foreign countries of the world to issue all Letters Patent relating to the foregoing rights to said assignee, its successors and assigns;

AND we further agree that we will promptly, upon request and without further compensation, do all lawful acts including the execution of all necessary documents, and the giving of testimony that in the opinion of the said assignee, its successors and assigns may be necessary or desirable for obtaining, sustaining, or reissuing United States and foreign Letters Patent relating to the foregoing assigned rights, and for perfecting, affirming, recording and maintaining the title of said assignee, its successors and assigns thereto, and that we will generally cooperate to the fullest extent in all matters pertaining to said invention and patents, and said assignee's title thereto.

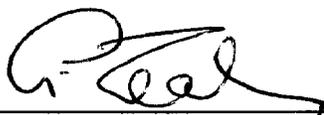
IN WITNESS WHEREOF, we have hereunto set our hands and seal this *13th* day of *April*, 199*9*.

~~SHEENA M. LOOSMORE~~

~~YAN-PING YANG~~


MICHEL H. KLEIN

On this *13th* day of *April*, 199*9*, before me, the subscribers, personally appeared ~~SHEENA M. LOOSMORE, YAN-PING YANG,~~ and MICHEL H. KLEIN, to me known to be the same persons described in and who executed the foregoing instrument, and they acknowledged that they executed the same.


Notary Public

GAVIN ROSS ZEALEY, Notary Public, City of Toronto,
limited to the attestation of instruments and the taking of
affidavits, for Connaught Laboratories Limited.
Expires August 11, 2001.