Docket No.: 1038-859 MIS/bh 07-19-1999 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Patent and Trademark Office Copyright 1994-97 LegalStar P08/REV02 Tab settings → → To the Honorable Commissioner of Ratents and .. 101093963 ttached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Sheena M. Loosmore; Yan-Ping Yang and Michel H. Klein Name: Connaught Laboratories Limited Internal Address: 1755 Steeles Avenue West, North York, 715.99 Ontario, Canada, M2R 3T4 ☐ Yes 🛛 No Additional names(s) of conveying party(ies) 3. Nature of conveyance: Street Address: As above Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name City: _____ State: ____ ZIP: ___ Other Execution Date: March 17, 1999; March 16,1999; March 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: A. Patent Application No.(s) B. Patent No.(s) 09/261,182 Additional numbers attached? ☐ Yes 🛛 No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Sim & McBurney, 7. Total fee (37 CFR 3.41):..... 120.00 Internal Address: 6th Floor, 330 University Avenue, Enclosed - Any excess or insufficiency should be credited or debited to deposit account Toronto, Ontario, Canada M5G 1R7 Authorized to be charged to deposit account Street Address: As above 8. Deposit account number: _ State: ____ ZIP: ___ City: DO NOT USE THIS SPACE 7/16/1999 MTHAI1 00000098 09261182 ⁰¹9F**Gtät**ement 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. July 13, 1999 M.I.Stewart-Reg.No.24,973 Date

Total number of pages including cover sheet, attachments, and document:

Name of Person Signing

PATENT

REEL: 010093 FRAME: 0277

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 Torresdale Avenue, Willowdale, Ontario, Canada, M2R 3N7; and 16 Munro Boulevard, Willowdale, Ontario, Canada, M2P 1B9; have invented certain new and useful improvements in MULTI-COMPONENT VACCINE COMPRISING AT LEAST THREE ANTIGENS TO PROTECT AGAINST DISEASE CAUSED BY HAEMOPHILUS INFLUENZAE, for which invention we executed an application for Letters Patent of the United States of America on March 12, 1999; 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 exclusive right, title and interest in and to 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 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 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 12 day of Mach

Mena M. Loomne

MICHEL H.

on this 12 day of Marh

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.

S ZEALEY, Noticy Public, City of Toronto, levits, for Connaught Laboratories Limited. Expires August 11, 2001.

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 Torresdale Avenue, Willowdale, Ontario, Canada, M2R 3N7; and 16 Munro Boulevard, Willowdale, Ontario, Canada, M2P 189, have invented certain new and useful improvements in MULTI-COMPONENT VACCINE COMPRISING AT LEAST THREE ANTIGENS TO PROTECT AGAINST DISEASE CAUSED BY HAEMOPHILUS INFLUENZAE, for which invention we executed an application for Letters Patent of the United States of America on March 16, 1999 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 and other good LIMITED. 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 10° day of 199%.

SHEENA M. LOOSMORE

YAN-PING YANG

MICHEL H. KLEIN

on this 10 day of Cock, 1999, 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

CAROL ANN GILLIS, Notary Public, Municipality of Metropolitan Toronto, limited to the attestation of instruments and the taking of affidavits, for Connaught Laboratories Limited.

Expires January 21, 2000.

ASSIGNMENT

WHEREAS, we, SHEENA M. LOOSMORE, YAN PING YANG; and MICHEL H. KLEIN, citizens of Canada residing respectively at 70 Grawford Rose Drive, Aurora, Ontario, Canada, L4G 4R4; Apt. 709, 120 Torresdale Avenue, Willowdale, Ontario, Canada, M2R 3N7; and 16 Munro Boulevard, Willowdale, Ontario, Canada, M2P 1B9, have invented certain new and useful improvements in MULTI-COMPONENT VACCINE COMPRISING AT LEAST THREE ANTIGENS TO PROTECT AGAINST DISEASE CAUSED BY HAEMOPHILUS INFLUENZAE, for which invention we executed an application for Letters Patent of the United States of America on March 17, 1999 ; 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 and LABORATORIES LIMITED, 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 17° day of 199° .

SHEENA M. LOOSMORE

YAN-PING YANG

MICHEL H. KLEIN

On this 17 day of Onch, 1999, 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.

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Notary Public

CAROL ANN GILLIS, Notary Public, Municipality of Metropolitan Toronto, limited to the attestation of instruments and the taking of affidavits, for Gunnaught Laboratories Limited.

Expires January 21, 2000.

PATENT RECORDED: 07/15/1999 REEL: 010093 FRAME: 0283