I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231

Attorney's Docket No. L0461/7033 (JRV_

FORM PTO-1595 [Rev. 6-33] OMB No. 0651-0011 (exp. 4/94) To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy. Open of the Commissioner of Patents and Trademarks: Please record the attached original documents or copy. Open of the Commissioner of Patents and Trademarks: Please record the attached original document. 1. Name of conveying party(lest): Pierre Coulie and Thierry Boon-Falleur Additional namet(s) of conveying party(lest): Name: Ludwig Institute for Cancer Research Internal Address: Glen House, 6th Floor, Stag Place, London, SW1E 5AG, England Internal Address: Glen House, 6th Floor, Stag Place, London, SW1E 5AG, England Additional namet(s) addresses/est attached? [1] Yes [X] No Stroet Address: Glen House, 6th Floor, Stag Place, London, SW1E 5AG, England Additional namet(s) addresses/est attached? [1] Yes [X] No Additional namet(s) & addresses/est attached? [1] Yes [X] No Additional namet(s) & addresses/est attached? [1] Yes [X] No Additional namet(s) & addresses/est attached? [1] Yes [X] No Additional namet(s) & addresses/est attached? [1] Yes [X] No Additional namet(s) & addresses/est attached? [1] Yes [X] No Additional namet(s) & addresses/est attached? [1] Yes [X] No Additional namet(s) & addresses/est attached? [1] Yes [X] No Additional namet(s) & addresses/est attached? [1] Yes [X] No B. Patent No.(s) 5. Name and address of party to whom correspondence Concerning document should be mailed: Name: John R. Van Amsterdam Address: WOLF, GREENFIELD & SACKS, P.C. Federal Reserve Plaza 600 Attantic Avenue Boston, MA 02210 To tal lounded for the applications and patents involved: [1] Address: Glen House, 6th Floor, Stag Place, London, SW1E 5AG, England Address: Glen House, 6th Floor, Stag Place, London, SW1E 5AG, England Address: Glen House, 6th Floor, Stag Place, London, SW1E 5AG, England Address: Glen House, 6th Floor, Stag Place, London, SW1E 5AG, England Address: Glen House, 6th Floor, Stag Place, London, SW1E 5AG, England Address:	4	Jan K. Van Christian RE 10-26-19	998 SHEET		
1. Name of conveying party(ies): Pierre Coulie and Thierry Boon-Falleur Additional name(s) of conveying party(ies) attached? [] Yes IXI No 3. Nature of conveyance: IX] Assignment [] Merger [] Security Agreement [] Change of Name [] Other		(Rev. 6-93) 1 1008500	no de la commence		
Pierre Coulie and Thierry Boon-Falleur Additional name(s) of conveying party(iest attached? [1] Yes [X] No 3. Nature of conveyance: [X] Assignment [1] Merger [1] Security Agreement [1] Change of Name [1] Other		To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy, thereof.			
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London, SW1E 5AG, England	4	Pierre Coulle and Trillerry Boon-Falleur	Name: Ludwig Institute for Cancer Research		
Street Address: Glen House, 6th Floor, Stag Place London SW1E 5AG, England			1		
Street Address: Glen House, 6th Floor, Stag Place London SW1E 5AG, England Additional name(s) & addresses(es) attached? [] Yes [X] No 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) O9/124,398 Additional numbers attached? [] Yes [X] No 5. Name and address of party to whom correspondence Concerning document should be mailed: Name: John R. Van Amsterdam Address: WOLF, GREENFIELD & SACKS, P.C. Federal Reserve Plaza 600 Atlantic Avenue Boston, MA 02210 7. Total fee (37 CFR 3.41)	1				
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5. Name and address of party to whom correspondence Concerning document should be mailed: Name: John R. Van Amsterdam Address: WOLF, GREENFIELD & SACKS, P.C. Federal Reserve Plaza 600 Atlantic Avenue Boston, MA 02210 1. Authorized to be charged to deposit account The Commissioner is authorized to charge: 8. Deposit Account No: 23/2825 1. 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. John R. Van Amsterdam, Reg. No. 40,212 Name of Person Signing 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)		A. Patent Application No.(s)	1		
Concerning document should be mailed: Name: John R. Van Amsterdam Address: WOLF, GREENFIELD & SACKS, P.C. Federal Reserve Plaza 600 Atlantic Avenue Boston, MA 02210 TP/1998 INBUTEN 0000127 09124398 TO NOT USE THIS SPACE 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. John R. Van Amsterdam, Reg. No. 40,212 Name of Person Signing 7. Total fee (37 CFR 3.41)		Additional numbers attached? [] Yes [X] No			
Address: WOLF, GREENFIELD & SACKS, P.C. Federal Reserve Plaza 600 Atlantic Avenue Boston, MA 02210 RP/1998 DMBUYEN 00000127 09124398 FC:581 DO NOT USE THIS SPACE 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. John R. Van Amsterdam, Reg. No. 40,212 Name of Person Signing Signature To take let (37 CH 3.47) [X] Enclosed [] Authorized to be charged to deposit account The Commissioner is authorized to charge: 8. Deposit Account No: 23/2825 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. John R. Van Amsterdam, Reg. No. 40,212 Name of Person Signing Signature Date			Total number of applications and patents involved: [1]		
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Name of Person Signing // Signature Date	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.				
Total number of pages including cover sheet, attachments, and document: [3]		Name of Person Signing Signature Date			

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Washington, D.C. 20231

PATENT REEL: 9524 FRAME: 0819

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L0461/7033 (JRV)

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Pierre Coulie, Universite Catholique de Louvain, 7459 Avenue Hippocrate, B-1200, Brussels, Belgium and Thierry Boon-Falleur, 7459 Avenue Hippocrate, B-1200 Brussels, Belgium: hereby

Sell, assign and transfer to Ludwig Institute for Cancer Research, a London, England corporation having a place of business at Glen House, Stag Place, 6th Floor, London SW1E 5AG, ENGLAND, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on July 29, 1998 under Serial No. 09/124,398 and entitled ENDOGENEOUS RETROVIRUS TUMOR ASSOCIATED NUCLEIC ACIDS AND ANTIGENS, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

We agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full

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right to convey the same as herein express	sed is possessed by us.
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Date	PIERRE COULIE
August 19 1998	Sepelation
Date	Witness O SEPELCHIN
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I ⊅ate	THIERRY BOON-FALLEUR
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