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To The Honorable Commissioner of Patents and Trademarks: Please record the attached original documents(s) or copy(ies) thereof. Docket	No.:
 Name of conveying party(ies) Luc AUJAME Genevieve RENAULD-MONGENIE Xavier NASSIF Anges PERRIN 2. Annabelle BOUCHARDON 4. Bachra ROKBI 6. Colin TINSLEY	
 Name and address of receiving party(ies): Name: AVENTIS PASTEUR Street Address: 2, avenue Pont Pasteur City + Address: 69007 Lyon, FRANCE Name: INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICAL (INSERM) Street Address: 101 Rue de Tolbiac City + Address: 75013 Paris, FRANCE 	E
3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other: Execution Date: 31 July 2001	
Application number(s) or patent number(s) Application number(s) or patent number(s)	
This document is filed together with a new application whose execution date is: A. Patent Application No.(s) B. Patent No.(s) 09/830,433	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: B. Aaron Schulman Tel.: 703-739-4900 LARSON & TAYLOR, PLC • 1199 North Fairfax St. • Suite 900 • Alexandria, VA 22314-1437	
6. Total number of applications and patents involved:	#1
7. Total fee (37 CFR 3.41) X Enclosed (8. Any insufficiency in fee is authorized to be charged to Deposit Account No. 12-0555.)	\$40
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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. B. Aaron Schulman Name of person signing Total number of pages including cover sheet, attachments and documents: 3	

PATENT

REEL: 012125 FRAME: 0597

ASSIGNMENT

In consideration of the sum of One dollar (US\$ 1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

- Luc AUJAME

 a French citizen residing at :
 477, Chemin du Puits
 69210 FLEURIEUX SUR L'ARBRESLE FRANCE
- 2) Annabelle BOUCHARDON a French citizen residing at : 7, rue Nicolaï 69007 LYON - FRANCE

 Geneviève RENAULD-MONGENIE a French citizen residing at : 24,rue des Framboisiers 69630 CHAPONOST - FRANCE

يرب فالب حروبية

4) Bachra ROKBI a French citizen resiging at : 254, rue Vendôme 69003 LYON - FRANCE

hereby sell, assign and transfer to:

- 1) AVENTIS PASTEUR
 2. avenue Pont Pasteur 69007 LYON FRANCE
- 2) INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) 101 Rue de Tolbiac, 75013 PARIS FRANCE

(hereinafter called the Assignee) the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

Nucleic acids and polypeptides specific of the Neisseria genus pathogenic strains

which application was filed by the undersigned on 28 October 1999 as PCT application No. PCT/FR9902643, including any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial property.

It is hereby authorized and requested that the Commissioner of Patents and Trademarks issue any and all said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers, and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Signed at Ly OC this 31 day of

Tuly, 2のイ Inventor(s)

1) Luc AUJAME,

2) Annabelle BOUCHARDON,

3) Geneviève RENAULD-MONGENIE

4) Bachra ROK

PATENT REEL: 012125 FRAME: 0598

ASSIGNMENT

In consideration of the sum of One dollar (US\$ 1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

5) Xavier NASSIF a French citizen residing at: 1, square Charles Laurent 75015 PARIS - FRANCE

6) Colin TINSLEY a British citizen residing at: 16, square Jean Thébaud 75015 PARIS - FRANCE

7) Agnès PERRIN a French citizen residing at: 33 bis, rue du Docteur Roux 75015 PARIS - FRANCE

hereby sell, assign and transfer to:

- 1) AVENTIS PASTEUR 2, avenue Pont Pasteur 69007 LYON - FRANCE
- 2) INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) 101 Rue de Tolbiac - 75013 PARIS FRANCE

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Signed at

day of Sulf .2001, Inventor(s)

6) Colin TINSLEY

C. Tinsky

7) Agnès PERRIN

RECORDED: 08/16/2001

PATENT REEL: 012125 FRAME: 0599