503213840 03/11/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3260455

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE	02/10/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12739607

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DATE SIGNED:	03/11/2015

Total Attachments: 1

PATENT REEL: 035139 FRAME: 0334

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PATENT REEL: 035139 FRAME: 0335

ASSIGNMENT

WHEREAS Institut National de la Recherche Agronomique whose post office address is 147, rue de l'Université 75338 Paris Cedex 07, France (hereinafter referred to as "Assignor") owns right in an invention entitled:

Synthetic Antigenic Peptides and Lipopeptides Derived from Mycobacterium Avium Subsp. Paratuberculosis

for United States Patent No. 8,883,173 (Application No. 12/739,607) filed on July 19, 2011, the "US patent application"; and

WHEREAS Institut Pasteur whose post office address is 25-28 rue du Docteur Roux 75724 Paris Cedex 15, France AND Institut National de la Santé et de la Recherche Médicale whose post office address is 101, rue de Tolbiac 75654 Paris Cedex 13, France (hereinafter referred to as "Assignees"), are desirous of securing the entire right, title, and interest in and to the application of United States Letters Patent No. 12/739,607 and all the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignees are hereby acknowledged, Assignor hereby assigns, transfers, and sets over unto the Assignees, their lawful successors and assigns, its entire right, title, and interest in and to the US patent application, and all Letters Patent of the United States which may be granted thereon, and all divisions, continuations, extensions, renewals, and reissues thereof; and Assignor hereby authorizes and requests the Director of Patents and Trademarks of the United States to issue all Letters Patent of the US patent application to Assignees, their successors and assigns, in accordance with the terms of this Assignment;

AND, Assignor HEREBY covenants that it has the full right to convey the interest assigned by this Assignment, and it has not executed and will not execute any agreement in conflict with this Assignment;

AND, Assignor HEREBY further covenants and agrees that it will, without further consideration, communicate with Assignees, their successors and assigns, any facts known to it respecting this US patent application, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this US patent application in said Assignees, their successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful paths and generally do everything possible to aid Assignees, their successors and assigns, to obtain and enforce proper patent protection for this US patent application in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignees, their successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto set its hands.

Full Name of Assignor	Cécile Nicolas
Address	Unité Contrats et
Signature	= . // col = \\\
Title	Juniale/Lauryer
Date	1 0 FEV. 2015

Morgan, Lewis & Bockius LLP