

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Patrick Brest</td> <td>07/03/2012</td> </tr> <tr> <td>Paul Hofman</td> <td>07/03/2012</td> </tr> <tr> <td>Baharia Mograbi</td> <td>07/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Patrick Brest	07/03/2012	Paul Hofman	07/03/2012	Baharia Mograbi	07/03/2012		
Name	Execution Date										
Patrick Brest	07/03/2012										
Paul Hofman	07/03/2012										
Baharia Mograbi	07/03/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Institut National de la Sante et de la Recherche Medicale (INSERM)</td> </tr> <tr> <td>Street Address:</td> <td>101 rue de Tolbiac</td> </tr> <tr> <td>City:</td> <td>Paris</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>F-75654</td> </tr> </table>		Name:	Institut National de la Sante et de la Recherche Medicale (INSERM)	Street Address:	101 rue de Tolbiac	City:	Paris	State/Country:	FRANCE	Postal Code:	F-75654
Name:	Institut National de la Sante et de la Recherche Medicale (INSERM)										
Street Address:	101 rue de Tolbiac										
City:	Paris										
State/Country:	FRANCE										
Postal Code:	F-75654										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13501267</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13501267						
Property Type	Number										
Application Number:	13501267										
CORRESPONDENCE DATA											
<p>Fax Number: 7037877557          Phone: 703-787-9400          Email: linda@wcc-ip.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: WHITHAM, CURTIS &amp; CHRISTOFFERSON &amp; COOK,          Address Line 1: 11491 SUNSET HILLS ROAD          Address Line 2: SUITE 340          Address Line 4: RESTON, VIRGINIA 20190</p>											
ATTORNEY DOCKET NUMBER:	11450086US										
NAME OF SUBMITTER:	Michael E. Whitham										
Total Attachments: 2 source=11450086US_Assignment#page1.tif source=11450086US_Assignment#page2.tif											

CH \$40.00 13501267

ATTORNEY DOCKET: 11450086US

**ASSIGNMENT OF APPLICATION  
FOR UNITED STATES PATENT**

*WHEREAS:*

NAME AND ADDRESS  
OF ASSIGNOR:

Patrick BREST of Nice Cedex 2, France  
Paul HOFMAN of Nice Cedex 2, France  
Baharia MOGRABI of Nice Cedex 2, France

(Hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled:

TITLE OF INVENTION:

**METHODS FOR DIAGNOSING AND TREATING A PATHOLOGY  
ASSOCIATED WITH A SYNONYMOUS MUTATION OCCURRING  
WITHIN A GENE OF INTEREST**

(hereinafter referred to as INVENTION) for which application for Letters Patent of the United States has been accorded serial number 13/501,267 and is based on PCT/EP2010/065360 filed October 13, 2010, and;

*WHEREAS:*

FULL NAME AND ADDRESS  
OF ASSIGNEE:

*Institut National de la Santé et de la Recherche Médicale (INSERM)*  
101 rue de Tolbiac  
F-75654 Paris  
France

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

*NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:* Be it known that good and valuable consideration from ASSIGNEE to ASSIGNOR, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference

ATTORNEY DOCKET: 11450086US

or litigation related thereto and will promptly execute and deliver to

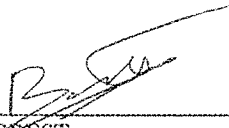
ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

ASSIGNOR further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for the aforesaid INVENTION as the ASSIGNEE or its designee(s) may from time to time require and prepare at its own expense.

ASSIGNOR hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue on said INVENTION to said ASSIGNEE, as assignee of the whole right, title and interest thereto.

*IN WITNESS WHEREOF, I/We have hereunto set hand and seal*

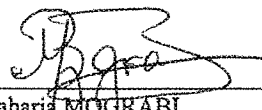
3rd July 2012  
Date

  
Patrick BREST

3rd July 2012  
Date

  
Paul HOFMAN

3rd July 2012  
Date

  
Baharia MOGRABI