PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2987992

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | MERGER | |
| EFFECTIVE DATE: | 06/18/2014 | |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| AVENTISUB II INC. | 06/16/2014 |

RECEIVING PARTY DATA

| Name: | AVENTIS HOLDINGS INC. | |
|-------------------|-----------------------|--|
| Street Address: | 3711 KENNETT PIKE | |
| Internal Address: | SUITE 200 | |
| City: | GREENVILLE | |
| State/Country: | DELAWARE | |
| Postal Code: | 19807 | |

PROPERTY NUMBERS Total: 12

| Property Type | Number |
|----------------|---------|
| Patent Number: | 6140345 |
| Patent Number: | 5811430 |
| Patent Number: | 5977140 |
| Patent Number: | 6110938 |
| Patent Number: | 5811435 |
| Patent Number: | 5919798 |
| Patent Number: | 6043240 |
| Patent Number: | 5998417 |
| Patent Number: | 5663449 |
| Patent Number: | 5977113 |
| Patent Number: | 5776963 |
| Patent Number: | RE39198 |

CORRESPONDENCE DATA

502941394

Fax Number: (908)981-7830

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 908-981-6998

Email: USPATENT.E-FILING@SANOFI.COM

Correspondent Name: ROBIN J. INMAN

PATENT

REEL: 033566 FRAME: 0312

Address Line 1: 55 CORPORATE DRIVE Address Line 2: MAIL CODE: 55A-505A

Address Line 4: BRIDGEWATER, NEW JERSEY 08807

ATTORNEY DOCKET NUMBER: USHR1161: ASUBII TO AHI

NAME OF SUBMITTER: ROBIN J. INMAN

SIGNATURE: /ROBIN J INMAN/

DATE SIGNED: 08/19/2014

Total Attachments: 4

source=Merger-Aventisub II into AHI_20140617#page1.tif source=Merger-Aventisub II into AHI_20140617#page2.tif source=Merger-Aventisub II into AHI_20140617#page3.tif source=Merger-Aventisub II into AHI_20140617#page4.tif

PATENT REEL: 033566 FRAME: 0313 Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT

COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AVENTISUB II INC.", A DELAWARE CORPORATION,

WITH AND INTO "AVENTIS HOLDINGS INC." UNDER THE NAME OF

"AVENTIS HOLDINGS INC.", A CORPORATION ORGANIZED AND EXISTING

UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED

IN THIS OFFICE THE SEVENTEENTH DAY OF JUNE, A.D. 2014, AT 6:31

O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE EIGHTEENTH DAY OF JUNE, A.D. 2014, AT 6 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

3461930 8100M

140849309

AUTHENT CATION: 1461579

DATE: 06-17-14

PATENT REEL: 033566 FRAME: 0314

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware Secretary of State Division of Corporations Delivered 06:31 PM 06/17/2014 FILED 06:31 PM 06/17/2014 SRV 140849309 - 3461930 FILE

CERTIFICATE OF OWNERSHIP AND MERGER

MERGING

AVENTISUB II INC. (a Delaware corporation)

INTO

AVENTIS HOLDINGS INC. (a Delaware corporation)

Aventis Holdings Inc., a corporation organized and existing under the laws of Delaware (the "Corporation") does hereby certify that:

FIRST: The Corporation was incorporated on November 29, 2001 pursuant to the General Corporation Law of the State of Delaware.

SECOND: The Corporation is the owner of all of the issued and outstanding shares of stock of Aventisub II Inc. ("Aventisub II").

THIRD: The Corporation, by the following resolutions, duly adopted by the unanimous written consent of all of the members of the Board of Directors dated June 16, 2014 authorized the merger:

NOW THEREFORE, BE IT RESOLVED, that the Plan of Merger between the Corporation and Aventisub II, a copy of which has been presented to and reviewed by the Board of the Corporation, providing for the merger of Aventisub II into the Corporation, be and the same hereby are approved and adopted; and

RESOLVED, that the merger shall be effective on June 18, 2014 at 6:00am EDT.

FURTHER RESOLVED, that the proper officers of the Corporation be and hereby are authorized and directed to execute a Certificate of Ownership and Merger setting forth a copy of the resolutions to merge Aventisub II into the Corporation and for the Corporation to assume the liabilities and obligations of Aventisub II, and the date of adoption thereof, and to cause the same to be filed with the Secretary of State of Delaware and a certified copy recorded in the office of the Recorder of Deeds of New Castle County, and to file such other

Step 1

PATENT REEL: 033566 FRAME: 0315 documents and do all acts and things necessary, whether within or without the State of Delaware, which may be necessary and proper to effect said merger.

[signature page to follow]

PATENT 2
REEL: 033566 FRAME: 0316

IN WITNESS WHEREOF, said Corporation has caused this Certificate to be executed by an officer on this 16th day of June 2014.

AVENTIS HOLDINGS INC.

Joseph M. Palladino, President

3

PATENT REEL: 033566 FRAME: 0317

Step 1