

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER
EFFECTIVE DATE:	10/01/2012

CONVEYING PARTY DATA

Name	Execution Date
MPC MERGER SUB, INC.	09/25/2012

RECEIVING PARTY DATA

Name:	TAKEDA PHARMACEUTICALS U.S.A., INC.
Street Address:	One Takeda Parkway
City:	Deerfield
State/Country:	ILLINOIS
Postal Code:	60015

PROPERTY NUMBERS Total: 32

Property Type	Number
Patent Number:	7619004
Patent Number:	7601758
Patent Number:	7935731
Patent Number:	8093296
Patent Number:	8097655
Patent Number:	8093298
Patent Number:	7820681
Patent Number:	8093297
Patent Number:	7906519
Patent Number:	7915269
Patent Number:	7964648
Patent Number:	8003700
Application Number:	13301902
Application Number:	13184704

OP \$1280.00 7619004

Application Number:	13302017
Application Number:	13454255
Application Number:	13454286
Application Number:	12858706
Application Number:	12489750
Application Number:	13158512
Application Number:	12423040
Application Number:	13610030
Application Number:	61556497
Application Number:	61617775
Application Number:	61557565
Application Number:	13020347
Patent Number:	7550509
Patent Number:	7524515
Patent Number:	7919120
Application Number:	12788634
Application Number:	13010266
Application Number:	13007851

CORRESPONDENCE DATA

Fax Number: 8602860115
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 8602862929
Email: rgneda@cantorcolburn.com
Correspondent Name: Cantor Colburn LLP
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Address Line 2: 22nd Floor
Address Line 4: Hartford, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	MPC2000
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NAME OF SUBMITTER:	Roberta L. Pelletier
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Total Attachments: 3
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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 MERGER, WHICH MERGES:

"MPC MERGER SUB, INC.", A DELAWARE CORPORATION,
WITH AND INTO "TAKEDA PHARMACEUTICALS U.S.A., INC." UNDER THE NAME OF "TAKEDA PHARMACEUTICALS U.S.A., INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-FIFTH DAY OF SEPTEMBER, A.D. 2012, AT 10:09 O'CLOCK A.M.

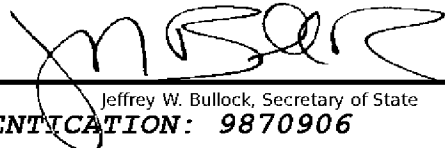
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF OCTOBER, A.D. 2012, AT 12:05 O'CLOCK A.M.

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

2894153 8100M

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Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 9870906

DATE: 09-25-12

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

PATENT
REEL: 029380 FRAME: 0857

**CERTIFICATE OF MERGER
FOR THE MERGER OF MPC MERGER SUB, INC.
WITH AND INTO
TAKEDA PHARMACEUTICALS U.S.A., INC.**

Pursuant to Section 251(c) of the
General Corporation Law of the State of Delaware

Takeda Pharmaceuticals U.S.A., Inc., a Delaware corporation (the "Company"), does hereby certify to the following facts relating to the merger (the "Merger") of MPC Merger Sub, Inc., a Delaware corporation ("Merger Sub"), with and into the Company, with the Company continuing as the surviving corporation of the Merger:

- FIRST: The Company and Merger Sub are the constituent corporations in the Merger, and each is a corporation incorporated pursuant to the laws of the State of Delaware.
- SECOND: An Agreement and Plan of Merger (the "Merger Agreement") has been approved, adopted, executed, acknowledged and certified by each of the Company and Merger Sub in accordance with the provisions of Section 251 of the General Corporation Law of the State of Delaware and, with respect to each of the Company and Merger Sub, by the written consent of the sole stockholder thereof in accordance with Section 228 of the General Corporation Law of the State of Delaware.
- THIRD: The surviving corporation of the Merger shall be the Company (the "Surviving Corporation"). The name of the Surviving Corporation shall be Takeda Pharmaceuticals U.S.A., Inc.
- FOURTH: Upon the effectiveness of the Merger, the certificate of incorporation of the Company in effect immediately prior to the Merger shall be the certificate of incorporation of the Surviving Corporation.
- FIFTH: The executed Merger Agreement is on file at the office of the Surviving Corporation at One Takeda Parkway, Deerfield, Illinois 60015.
- SIXTH: A copy of the executed Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any constituent corporation of the Merger.
- SEVENTH: The Merger shall take effect as of 12:05 a.m. on October 1, 2012.

[Signature page follows.]

IN WITNESS WHEREOF, Takeda Pharmaceuticals U.S.A., Inc. has caused this Certificate of Merger to be executed by its duly authorized officer as of September 25, 2012.

**TAKEDA PHARMACEUTICALS
U.S.A., INC.**

By: 
Name: Kenneth Greisman
Title: Secretary

[Certificate of Merger - MPC Merger Sub with and into TPUSA]