

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4047062

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TATSUKI KOIKE	07/29/2016
MAKOTO FUSHIMI	07/29/2016
JUMPEI AIDA	07/29/2016
SHUHEI IKEDA	07/21/2016
TOMOKAZU KUSUMOTO	08/03/2016
HIDEYUKI SUGIYAMA	08/02/2016
HIDEKAZU TOKUHARA	07/29/2016
RECEIVING PARTY DATA	
Name:	TAKEDA PHARMACEUTICAL COMPANY LIMITED
Street Address:	1-1, DOSHOMACHI 4-CHOME, CHUO-KU
City:	OSAKA-SHI, OSAKA
State/Country:	JAPAN
Postal Code:	541-0045
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15108000
CORRESPONDENCE DATA	
Fax Number:	(703)683-8396
<i>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.</i>	
Phone:	703-548-6284
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Correspondent Name:	NATH, GOLDBERG & MEYER
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Address Line 2:	34636U_JBG_LC
Address Line 4:	ALEXANDRIA, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	34636U
NAME OF SUBMITTER:	JOSHUA B. GOLDBERG
SIGNATURE:	/Joshua B. Goldberg/
DATE SIGNED:	09/12/2016

PATENT

Total Attachments: 12

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION given to **Tatsuki KOIKE, Makoto FUSHIMI, Jumpei AIDA, Shuhei IKEDA, Tomokazu KUSUMOTO, Hideyuki SUGIYAMA and Hidekazu TOKUHARA**, hereinafter referred to as the ASSIGNOR(S), who has/have invented certain new and useful **4-(PIPERAZIN-1-YL)-PYRROLIDIN-2-ONE COMPOUNDS AS MONOACYLGLYCEROL LIPASE (MAGL) INHIBITORS**, hereinafter referred to as the invention, for which I/we has/have executed an application for Letters Patent to be filed in the United States Patent and Trademark Office.

WHEREAS, **Takeda Pharmaceutical Company Limited**, a corporation organized and existing under the laws of the country/state of **Japan**, whose post office address/business address is **1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan**, hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, WITNESSETH THIS that for and in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, said ASSIGNOR(S) hereby assign(s), sell(s) and transfer(s) to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as said ASSIGNOR(S) might or could have held and enjoyed the same had this assignment not been made.

ASSIGNMENT

ALSO, said ASSIGNOR(S) hereby agree(s) to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon.

AND said ASSIGNOR(S) authorize(s) and request(s) the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

By: Tatsuki Koike July 29, 2016
Inventor's Name: Tatsuki KOIKE **Date**
(sole or first inventor)

Signature Witnessed by: Satoshi Mikami

Date: July 29, 2016 Printed Name: Satoshi MIKAMI

Signature Witnessed by: Yasushi Hattori

Date: July 29, 2016 Printed Name: Yasushi Hattori

By: Makoto Fushimi July 29, 2016
Inventor's Name: Makoto FUSHIMI **Date**
(second inventor)

Signature Witnessed by: Satoshi Mikami

Date: July 29, 2016 Printed Name: Satoshi MIKAMI

Signature Witnessed by: Eiji Honda

Date: July 29, 2016 Printed Name: Eiji HONDA

By: _____
Inventor's Name: Jumpei AIDA **Date**
(third inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: _____
Inventor's Name: Shuhei IKEDA **Date**
(fourth inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: Tomokazu Kusumoto Aug. 3, 2016
Inventor's Name: Tomokazu KUSUMOTO **Date**
(fifth inventor)

Signature Witnessed by: Tohru Yamashita

Date: Aug. 3, 2016 Printed Name: Tohru Yamashita

Signature Witnessed by: Koji Fuji

Date: Aug. 3, 2016 Printed Name: Koji FUJI

By: Hideyuki Sugiyama Aug. 2, 2016
Inventor's Name: Hideyuki SUGIYAMA **Date**
(sixth inventor)

Signature Witnessed by: Satoshi Mikami

Date: Aug 2, 2016 Printed Name: Satoshi MIKAMI

Signature Witnessed by: Masashi Toyofuku

Date: Aug 2, 2016 Printed Name: Masashi TOYOFUKU

By: Hidekazu Tokuhara July 29, 2016
Inventor's Name: Hidekazu TOKUHARA **Date**
(seventh inventor)

Signature Witnessed by: Satoshi Mikami

Date: July 29, 2016 Printed Name: Satoshi MIKAMI

Signature Witnessed by: Yasushi Hattori

Date: July 29, 2016 Printed Name: Yasushi Hattori

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By: _____
Inventor's Name: **Tatsuki KOIKE** Date
(sole or first inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: _____
Inventor's Name: **Makoto FUSHIMI** Date
(second inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: Junpei Aida July 29, 2016
 Inventor's Name: **Junpei AIDA** Date
 (third inventor)

Signature Witnessed by: Asato King

Date: July 29, 2016 Printed Name: Asato King

Signature Witnessed by: Ryoma Hara

Date: July 29, 2016 Printed Name: Ryoma Hara

By: _____
 Inventor's Name: **Shuhei IKEDA** Date
 (fourth inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: _____
 Inventor's Name: **Tomokazu KUSUMOTO** Date
 (fifth inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: _____
Inventor's Name: *Hideyuki SUGIYAMA* Date _____
(sixth inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: _____
Inventor's Name: *Hidekazu TOKUHARA* Date _____
(seventh inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

ASSIGNMENT

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AND said ASSIGNOR(S) authorize(s) and request(s) the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

By: _____
Inventor's Name: *Tatsuki KOIKE* Date
(sole or first inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: _____
Inventor's Name: *Makoto FUSHIMI* Date
(second inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: _____
 Inventor's Name: Jumpei AIDA Date _____
 (third inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By: Shuhei Ikeda _____ July 21, 2016 _____
 Inventor's Name: Shuhei IKEDA Date _____
 (fourth inventor)

Signature Witnessed by: _____

Date: July 21, 2016 Printed Name: EDCON CHANG

Signature Witnessed by: _____

Date: July 21, 2016 Printed Name: Shota Kikuchi

By: _____
 Inventor's Name: Tomokazu KUSUMOTO Date _____
 (fifth inventor)

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By:

Inventor's Name: Hideyuki SUGIYAMA
(sixth inventor)

Date

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____

By:

Inventor's Name: Hidekazu TOKUHARA
(seventh inventor)

Date

Signature Witnessed by: _____

Date: _____ Printed Name: _____

Signature Witnessed by: _____

Date: _____ Printed Name: _____