PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3047932

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROYUKI NAGAMIYA	09/04/2014
MASATO YOSHIDA	09/04/2014
MASAKI SETO	09/04/2014
SHOGO MARUI	09/04/2014
TSUNEO ODA	09/04/2014
YUJI ISHICHI	09/05/2014
HIDEO SUZUKI	09/04/2014
TOMOKAZU KUSUMOTO	09/08/2014
TAKATOSHI YOGO	09/05/2014
CHUL YUN RHIM	09/11/2014
CHEOLHWAN YOON	09/05/2014
GIL NAM LEE	09/11/2014
HYUN BIN KANG	09/12/2014
KWANG OK KIM	09/12/2014
HYE SUN JEON	09/16/2014

RECEIVING PARTY DATA

Name:	TAKEDA PHARMACEUTICAL COMPANY LIMITED
Street Address:	1-1, DOSHOMACHI 4-CHOME, CHUO-KU, OSAKA-SHI
City:	OSAKA
State/Country:	JAPAN
Postal Code:	541-0045

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14379343

CORRESPONDENCE DATA

Fax Number: (202)721-8850

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.

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Email: wlp@wenderoth.com

PATENT

503001333 REEL: 033864 FRAME: 0863

Correspondent Name: WENDEROTH, LIND & PONACK, L.L.P.

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Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	2014-0622A
NAME OF SUBMITTER:	KELLY GREENE
SIGNATURE:	/Kelly Greene/
DATE SIGNED:	10/01/2014

Total Attachments: 30

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COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION	
Title of Invention	HETEROCYCLIC COMPOUND
	DECLARATION
As the below na	amed inventor, I hereby declare that:
This declaration is directed to: The attached application, or	
United States application or PCT international application	
	number PCT/JP2013/054054 filed on February 19, 2013.
The above-iden	tified application was made or authorized to be made by me.
I believe that I a	am the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."	
	ASSIGNMENT
In consideration	n of the good and valuable consideration paid, I hereby sell and assign to
Takeda Pharmaceutical Company Limited (Name of Assignee)	
of 1-1, Doshon	nachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan
(Address of	Assignee)
(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 USC 100, for any invention set forth in the above-identified application.	
I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.	
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Inventor (Legal Name): Hiroyuki NAGAMIYA

Signature: Iroyah Nagariya

Date: September 4, 2014

Note: Use an additional form for each additional inventor

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Inventor (Legal Name): Masato YOSHIDA Signature: Masato YOSHIDA Date: September 4, 2014
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Inventor (Legal Name): Masaki SETO

Signature: Masaki SETO

Date: September 4, 2014

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Inventor (Legal Name): Shogo MARUI Signature: Date: September 4, 2014		
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Inventor (Legal Name): Yuji ISHICHI

Signature:

Date: Yuji ISHICHI

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Inventor (Legal Name): Hideo SUZUKI

Signature: Like Sylla: Date: September 4, 2014

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Wenderoth, Lind & Ponack	, LLP
Attorney Docket No.:	

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Inventor (Legal Name): Tomokazu KUSUMOTO

Signature: Tomokazu KUSUMOTO

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nventor (Legal Name): <u>Takatoshi YOGO</u> Signature:		
Signature: Date:		

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Inventor (Legal Name): Chul Yun RHIM Signature: Date: 2014. 9. 11	
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of 1-1, Doshon	nachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan
(Address of	Assignee)
	signated as the Assignee) my entire right, title and interest for the United States as defined in 35 USC vention set forth in the above-identified application.
and any continu	ate all papers necessary in connection with this application for patent in the USPTO for the invention, nation, divisional or reissue applications thereof and also to execute separate assignments in connection cations as the Assignee may deem necessary or expedient.
with this applic	ate all papers necessary in connection with any post-grant proceeding which may occur in connection cation or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way ining evidence and going forward with such post-grant proceeding.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, which includes the right to claim priority and the right to be granted a patent in any PCT Contracting State.
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.
Inventor (Legal Name): Cheolhwan YOON Signature: Date: 2014, 9.5
Note: Use an additional form for each additional inventor

Wenderoth, Lind & Ponack, LLP	
Attorney Docket No.:	

COMBINED DECLARATION AND ASSIGNMENT	
FOR UTILITY OR DESIGN APPLICATION	
Title of Invention HETEROCYCLIC COMPOUND	
DECLARATION	
As the below named inventor, I hereby declare that:	
This declaration is directed to: The attached application, or	
United States application or PCT international application	
number PCT/JP2013/054054 filed on February 19, 2013.	
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."	
ASSIGNMENT	
In consideration of the good and valuable consideration paid, I hereby sell and assign to	
Takeda Pharmaceutical Company Limited (Name of Assignee)	
of 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan	
(Address of Assignee)	
(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 USC 100, for any invention set forth in the above-identified application.	
I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.	
I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.	

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Inventor (Legal Name): Gil Nam LEE Signature: Date: 11 - 19 - 2014			
Note: Use an additional form for each additional inventor			

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION			
Title of Invention	HETEROCYCLIC COMPOUND		
A CANADA MANAGA CANADA MANAGA	DECLARATION		
As the below i	named inventor, I hereby declare that:		
This declaration is directed to:	on The attached application, or		
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	ASSIGNMENT		
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Takeda Pharmaceutical Company Limited (Name of Assignee)			
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(Address o	of Assignee)		
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I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

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Inventor (Legal Name): Hyun Bin KANG

Signature:

Date: 2014 9. /2

Note: Use an additional form for each additional inventor

Wenderoth, Lind & Ponack, LLP	
Attorney Docket No.:	

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION			
Title of Invention	HETEROCYCLIC COMPOUND		
	DECLARATION		
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MATRICAL	ASSIGNMENT		
In consideration	on of the good and valuable consideration paid, I hereby sell and assign to		
Takeda Pharmaceutical Company Limited (Name of Assignee)			
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ereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the olication or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire erest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.
ventor (Legal Name): Kwang Ok KIM pnature: Date: 2014, 9, 12
pature: / '/\ Date: 2019, 1,17

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION		
Title of Invention	HETEROCYCLIC COMPOUND	
	DECLARATION	
As the below n	amed inventor, I hereby declare that:	
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(Name of A		
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Inventor (Legal Name): Hye Sun JEON Signature: Date: 2014. 9.16			
Note: Use an additional form for each additional inventor			

RECORDED: 10/01/2014