03/22/2016 503747349

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3793994

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| AKIRA YUKIMASA | 02/23/2016 |
| NAOKI TSUNO | 02/23/2016 |
| MOTOHIRO FUJIU | 02/23/2016 |
| HIROKI YAMAGUCHI | 02/23/2016 |
| HIROMI KUDO | 02/23/2016 |
| TATSUHIKO UENO | 02/23/2016 |
| YUSUKE ICHIHASHI | 02/23/2016 |
| TAKATSUGU INOUE | 02/23/2016 |
| SHINJI SUZUKI | 02/23/2016 |

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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15076728 |

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REEL: 038058 FRAME: 0962 503747349

| SIGNATURE: | /KELLY FORE/ |
|--|--------------|
| DATE SIGNED: | 03/22/2016 |
| Total Attachments: 2 | |
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| source=20160322 DEC ASSIGN 14P00072US TS#page2.tif | |

PATENT REEL: 038058 FRAME: 0963

| Wenderoth, | Lind & | Ponack, | LLP |
|--------------|----------|---------|-----|
| Attorney Doc | ket No.: | | |

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION Title of AROMATIC HETEROCYCLYLAMINE DERIVATIVE HAVING Invention TRPV4-INHIBITING ACTIVITY DECLARATION As a 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/JP2014/075178 filed on September 24, 2014 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 Shionogi & Co., Ltd. (Name of Assignee) of 1-8, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan (Address of Assignce) (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. 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.

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|---|--|
| I agree to perform all affirmative acts which may be necessary to obtain Assignce. | n a grant of a valid United States patent to the |
| I hereby authorize and request the USPTO to issue any and all Letters Pa application or any continuation, divisional or reissue applications thereof interest, and covenant that I have not executed, and will not execute, any | f to the Assignee, as Assignee of my entire |
| | |
| First Inventor (Legal Name): <u>Akira YUKIMASA</u> | |
| Signature: Okma Yakimata | Date: February 23, 2018 |
| Second Inventor (Legal Name): Naoki TSUNO | |
| Signature: Viv / " / 5797 | Date: 2016/02/23 |
| Third Inventor (Legal Name): Motohiro FUJIU | |
| Signature: Motchiro Fujiu | Date: February 23, 2016 |
| Fourth Inventor (Legal Name): Hiroki YAMAGUCHI | |
| Signature: <u>Johnsky</u> Yamaşueki | Date: February 23, 2016 |
| Fifth Inventor (Legal Name): <u>Hiromi KUDO</u> | |
| Signature: <u>Hivoni Kudo</u> | Date: February 23,2016 |
| Sixth Inventor (Legal Name): <u>Tatsuhiko UENO</u> | . , , , |
| Signature: Jusuhike Upro | Date: February 23, 2016 |
| Seventh Inventor (Legal Name): Yusuke ICHIHASHI | |
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| Eighth Inventor (Legal Name): <u>Takatsugu INOUE</u> | ************************************** |
| Signature: <u>Jakatangu Anoux</u> | Date: February 3 20/b |
| Ninth Inventor (Legal Name): Shinji SUZUKI | |
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RECORDED: 03/22/2016