502457497 08/14/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Janssen-Cilag, S.A. | 06/20/2012 |

RECEIVING PARTY DATA

| Name: | Janssen Pharmaceutica NV | |
|-----------------|--------------------------|--|
| Street Address: | Turnhoutseweg 30 | |
| City: | Beerse | |
| State/Country: | BELGIUM | |
| Postal Code: | 2340 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13922230 |

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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| ATTORNEY DOCKET NUMBER: | 22000.0249U2 |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | D. Brian Shortell |
| Signature: | /D. Brian Shortell/ |
| Date: | 08/14/2013 |
| | |

Total Attachments: 1

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PATENT REEL: 031005 FRAME: 0864

General Assignment

WHEREAS, Janssen-Cilag, S.A., having its place of business at EDIFICIO JOHNSON & JOHNSON, Paseo de las Doce Estrellas, 5-7, 5° planta, Campo de las Naciones, 28042 Madrid, Spain (hereinafter referred to as "Assignor"), is the owner of certain new and useful inventions relating to

SUBSTITUTED BICYCLIC ALKOXY PYRAZOLE ANALOGS AS ALLOSTERIC MODULATORS OF MGLUR5 RECEPTORS

for which on the 20th day of June 2012, US Application No. 61/662287 was filed.

WHEREAS, Janssen Pharmaceutica NV, having its place of business at Turnhoutseweg 30, 2340 Beerse, Belgium (hereinafter referred to as "Assignee") is desirous of acquiring Assignor's entire right, title and interest therein, including the right to claim priority thereof.

NOW, THEREFORE, BE IT KNOWN, that in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby assigns and transfers, for all countries in the world, to said Assignee its entire right, title and interest, including the right to claim priority, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, that may be granted for said inventions, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

And for purpose of obtaining patent protection in any foreign country, the Assignor hereby agrees that, any right, title and interest, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof can be directly assigned by the inventors to the Assignee without explicit confirmation of the Assignor.

We agree that this general assignment is effective from the 20th day of June 2012.

IN TESTIMONY WHEREOF, Assignor and Assignee have hereunto set their hand and seal this date.

For Janssen Cilag, S.A.

Frank Daelemans, Proxy Holder

Janasen-Cilag, S.A.

For Janssen Pharmaceatica NV

Luc Quaghebeur, Proxy Holder Janssen Pharmaceutica NV

> PATENT REEL: 031005 FRAME: 0865

RECORDED: 08/14/2013