

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT2770837

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JANSSEN PHARMACEUTICA, N.V.	01/11/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VANDERBILT UNIVERSITY
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<b>State/Country:</b>	TENNESSEE
<b>Postal Code:</b>	37420
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61432000
<b>Application Number:</b>	13349476
<b>PCT Number:</b>	US2012021123
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	22000.0225U2
<b>NAME OF SUBMITTER:</b>	D. BRIAN SHORTELL, J.D., PH.D.
<b>SIGNATURE:</b>	/D.Brian Shortell - Reg. No. 56,020/
<b>DATE SIGNED:</b>	03/17/2014
<b>Total Attachments: 1</b>	
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**General Assignment**

WHEREAS, Janssen Pharmaceutica NV, having its place of business at Turnhoutseweg 30, 2340 Beerse, Belgium (hereinafter referred to as "Assignor"), is the owner of certain new and useful inventions relating to

DIHYDRONAPHTHYRIDINYL(ORGANO)METHANONE ANALOGS AS POSITIVE ALLOSTERIC MGLUR5  
MODULATORS

for which on the 12<sup>th</sup> day of January 2011, US Application No. 61/432000 was filed.

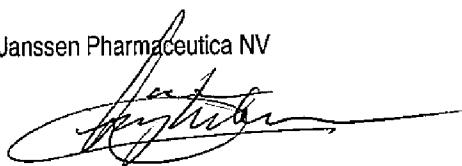
WHEREAS, VANDERBILT UNIVERSITY, whose Post Office address is Office of Technology Transfer, 305 Kirkland Hall, Nashville, Tennessee 37240, USA (hereinafter referred to as "Assignee") is desirous of acquiring Assignors' entire right, title and interest therein, including the right to claim priority thereof.

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.

IN TESTIMONY WHEREOF, Assignor sets hereunto his hand and seals this date.

For Janssen Pharmaceutica NV



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Luc Quaghebeur, Proxy Holder  
Janssen Pharmaceutica NV

Dated: 11 JAN 2012