PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OraPharma, Inc.	08/23/2010

RECEIVING PARTY DATA

Name:	Janssen Pharmaceutica, N.V.	
Street Address:	Turnhoutseweg 30	
City:	Beerse	
State/Country:	BELGIUM	
Postal Code:	2340	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11159018

CORRESPONDENCE DATA

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NAME OF SUBMITTER: Margaret Turner, Patent Paralegal

Total Attachments: 1

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PATENT REEL: 024871 FRAME: 0725 CH \$40.00 1115901

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GENERAL ASSIGNMENT

WHEREAS, ORAPHARMA, INC. having its place of business at 732 Louis Drive, Warminster, PA 18974 (hereinafter called "Assignor"), is the owner of certain new and useful inventions relating to QUATERNARY SALT CCR2 ANTAGONISTS for which on the 22ND day of JUNE 2005, US Patent Application No. 11/159,018, was filed at the USPTO; and

WHEREAS, JANSSEN PHARMACEUTICA, N.V. having its place of business at Turnhoutseweg 30, 2340 Beerse, Belgium (hereinafter called "Assignee") is desirous of acquiring Assignors' entire rights, titles 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 has hereunto set its hands and seals this 23rd day of August, 2010.

ORAPHARMA, INC.

William K. Wissing, Assistant Secretary

STATE OF NEW JERSEY)

) ss.

COUNTY OF MIDDLESEX)

BE IT REMEMBERED, that on this 23rd day of August, 2010, before me, a Notary Public, personally appeared William K. Wissing, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed. Am V nicholson 8/23/2010 Notary Public

ANN V. NICHOLSON NOTARY PUBLIC OF NEW JERSEY Commission Expires 3/16/2014

RECORDED: 08/23/2010

PATENT REEL: 024871 FRAME: 0726