504932103 05/25/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:			NEW ASSIGNMENT			
NATURE OF CONVEYANCE:			ASSIGNMENT			
CONVEYING PARTY	DATA					
			Name		Execution Date	
LIEVEN ELVIRE COLETT BAERT					05/30/2013	
BRUCE ALBERT MALCOLM					05/31/2013	
ROGER PAULUS MARIA SUTMULLE			1		05/30/2013	
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City:	BEERS	BEERSE				
State/Country:	BELGIL	BELGIUM				
Postal Code:	B-2340	B-2340				
Property Type			Number]		
PROPERTY NUMBER	S Total: 2			_		
Application Number:		15180603				
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CORRESPONDENCE	DATA					
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NAME OF SUBMITTER:			KAREN MAY			
SIGNATURE:			/KAREN MAY/			
DATE SIGNED:			05/25/2018			
Total Attachments: 4						
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PATENT REEL: 045904 FRAME: 0097

ASSIGNMENT

Serial No. Filed

WHEREAS, MALCOLM, Bruce Albert, citizen of the United States of America, residing at 955 S. Springfield Ave., unit C213, Springfield, New Jersey 07081, USA; SUTMULLER, Roger Paulus Maria, citizen of the Netherlands, residing at Oude Baan 123, 2820 Bonheiden, Belgium and BAERT, Lieven Elvire Colette, citizen of Belgium, residing at Jozef Van Walleghemstraat 11, 8200 Brugge 2, Belgium (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

POLYINOSINIC-POLYCYTIDYLIC ACID (POLY (I:C)) FORMULATIONS FOR THE TREATMENT OF UPPER RESPIRATORY TRACT INFECTIONS

for which they have on the day of . 2013 executed an application for Letters Patent of the United States; (Applicant(s) hereby authorize the legal representative(s) of record to enter herein the supplemental identification information for this application as provided by the US PTO); and

WHEREAS, Janssen Infectious Diseases BVBA, a corporation of the State of Belgium, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

THEREFORE, BE IT KNOWN that for and NOW. in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed insaid application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, 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 Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above

> PATENT REEL: 034031 ERAME: 0614 REEL: 045904 FRAME: 0098

described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this day of $\sqrt{-3}/$, 2013

(T. S.)

MALCOLM, Bruce Albert

(L.S.) SUTMULLER, Roger Paulus Maria

(L.S.) BAERT, Lieven Elvire Colette

STATE OF)) SS. COUNTY OF) The above signature(s) has been seen by us, Notary (2007) Coppens at Vosselaar, and we certify it to be genuinely the signature(s) of Bruce Albert Malcolm.

The above signatures have been seen by us, Notary (CWV) Coppens at Vosselaar, and we certify it to be genuinely the signature(s) of Bruce Albert Malcolm, Roger Paulus Maria Sutmuller and Lieven Elvire Colette Baert.

Notany Public

PATENT REEL: 034**9**317ER4ME: 0615 REEL: 045904 FRAME: 0099

ASSIGNMENT

Serial No. Filed

WHEREAS, MALCOLM, Bruce Albert, citizen of the United States of America, residing at 955 S. Springfield Ave., unit C213, Springfield, New Jersey 07081, USA; SUTMULLER, Roger Paulus Maria, citizen of the Netherlands, residing at Oude Baan 123, 2820 Bonheiden, Belgium and BAERT, Lieven Elvire Colette, citizen of Belgium, residing at Jozef Van Walleghemstraat 11, 8200 Brugge 2, Belgium (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

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for which they have on the day of , 2013 executed an application for Letters Patent of the United States; (Applicant(s) hereby authorize the legal representative(s) of record to enter herein the supplemental identification information for this application as provided by the US PTO); and

WHEREAS, Janssen Infectious Diseases BVBA, a corporation of the State of Belgium, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignce their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, 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 Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above

> PATENT REEL: 034**p<u>A</u>TERA**ME: 0616 REEL: 045904 FRAME: 0100

described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this day of , 2013

30 May 2013 {L.S.} $(\mathbf{L}, \mathbf{S}_{\cdot})$ MALCOLM, Bruce Albert SUTMULLER, Roger Paulus Maria 5 June 2013 (L.S.) BAERT, Lieven Blvire Colette STATE OF) \$8. COUNTY OF 3

The above signatures have been seen by us, Notary (WM) Coppens at Vosselaar, and we certify it to be genuinely the signature(s) of Bruce Albert Malcolm, Roger Paulus Maria Sutmuller and Lieven Elvire Colette Baert.



RECORDED: 11/03/2014 RECORDED: 05/25/2018 PATENT REEL: 034**PATENA**ME: 0617 REEL: 045904 FRAME: 0101