503538897 10/26/2015 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY DA	ТА			
		Name	Execution	Date
UWE T. BORNSCHEUE	٦		10/12/2015	
DAVID WEINER			10/09/2015	
TIM HITCHMAN			10/08/2015	
JONATHAN LYON			10/09/2015	
SIRIRUNG WONGSAKU	L		10/13/2015	
RECEIVING PARTY DA	ТА			
Name:	DSM IP	ASSETS B.V.		
Street Address:	HET O	HET OVERLOON 1		
City:	HEERL	HEERLEN		
State/Country:	NETHE	NETHERLANDS		
Postal Code:	6411 TE	Ē		
PROPERTY NUMBERS	Total: 1			
Property Type		Number		
Application Number:1487		14877335		
CORRESPONDENCE D	ΑΤΑ			
		(202)640-6029		
		the e-mail address first; if that		nt
using a fax number, if p Phone:		; if that is unsuccessful, it will l	be sent via US Mail.	
Email:	2024658401 acustead@milesstockbridge.com, ipdocketing@milesstockbridge.com			
Correspondent Name:	SUSAN E. SHAW MCBEE		5.00m	
Address Line 1:	30 WEST PATRICK STREET			
Address Line 2:	SUITE 600			
Address Line 4:	FREDERICK, MARYLAND 21701			
ATTORNEY DOCKET NUMBER:		2919208-177001	2919208-177001	
NAME OF SUBMITTER:		SUSAN E. SHAW MCBEE	SUSAN E. SHAW MCBEE	
SIGNATURE:		/Susan E. Shaw McBee/	/Susan E. Shaw McBee/	
DATE SIGNED:		10/26/2015	10/26/2015	
		This document serves as a		

Total Attachments: 9
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ASSIGNMENT

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, DSM IP ASSETS B.V. of Heerlen, The Netherlands, (assignee), who business address is Het Overloon 1, 6411 TE HEERLEN, The Netherlands, desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assigned, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the Invention was made.

(Legalization not required for recording but is prime facie evidence of execution under 35 U.S.C. §261)

DECLARATION

As a below named inventor, I hereby declare that this assignment with declaration is directed to:

The attached application, OR

United States Application or PCT International Application Number <u>14/877.335</u> filed on <u>October 7, 2015</u> (Confirmation No. <u>9272</u>).

PRE-AIA

My mailing address and citizenship are as stated below next to my name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

HYDROLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

POST-AIA

The above identified application was made or was authorized to be made by me.

I believe 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 assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

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NAME OF SOLE OR FIRST INVENTOR:		******
Given Name		
(first and middle [if any]) Uwe T.	Family Name or Sumame BORNSCHEUER	
Inventor's signature	Date 200 2005	
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Chizenship DE	
NAME OF SECOND INVENTOR:	1	
Given Name. (first and middle [if any]) David	Family Name or Surname WEINER	
inventor's signature	Daie	
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship UK	
NAME OF THIRD INVENTOR:		
Given Name (first and middle [if any]) Tim	Family Name or Sumanc HITCHMAN	
Inventor's signature	Date	
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship UK	
NAME OF FOURTH INVENTOR:		
Given Name (first and middle [if any]) Jonathan	Family Name or Sumame LYON	
inventor's signature	Date	
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	<u>Citizenship</u> US	
NAME OF FIFTH INVENTOR:		
Given Name (first and middle [if any]) Sirirung	Family Name or Sumame WONGSAKUL	
Inventor's signature	Date	
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship TH	

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I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignce, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

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NAME OF SOLE OR FIRST INVENTOR:	
Given Name	
(first and middle [if any]) Uwe T.	Family Name or Surname BORNSCHEUER
Inventor's signature	Date
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship DE
NAME OF SECOND INVENTOR:	
Given Name	
(first and middle [if any]) David	Family Name or Surname WEINER
Inventor's signature	Date 10/9/2015
	Date 10/1/2015
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship UK.
NAME OF THIRD INVENTOR:	
Given Name	
(first and middle [if any]) Tim	Family Name or Surname HITCHMAN
Inventor's signature	Date
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Given Name	
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Inventor's signature	Date
Maillan Addison () Don A (100 KA DA) (D) N.A. L. L	PT-1 1 1 PT2 8
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship TH

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[Page 1]

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{Page 2}

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NAME OF SOLE OR FIRST INVENTOR:				
Given Name				
(first and middle [if any]) Uwe T.	Family Name or Surname BORNSCHEUER			
lovenor's signature	Date			
Mailing Address: P.O. Box 4, 6100 AA Echt. The Netherlands	Citizenshin OE			
NAME OF SECOND INVENTOR:				
Given Name				
(first and middle [if any]) David	Family Name or Surname WEINER			
Inventor's signature	Date			
Mailing Address: P.O. Box 4, 6100 A.A. Echi, The Netherlands	Chizenship UK			
NAME OF THIRD INVENTOR:				
Given Name				
(first and middle [if any])	Paraily Name or Samarne HITCHMAN			
and the second sec	in the time			
Inventor's signature / 2	Date 10/08/15-			
NATIONAL AND AND A STREET AND A STREET AND A STREET				
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Cijizenahip UK			
NAME OF FOURTH INVENTOR:				
(liven Name				
(first and middle (if any)) Jonisthan	Panily Name or Sumame LYON			
And the set of the set				
inventor's signature	Date			
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands				
NAME OF FIFTH INVENTOR:				
Given Name				
(first and middle [if any]) Sirining	Family Name or Sumane WONG8A KUL			
loventor's signature	25. s.			
inventor's signature Date				
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship TH			
	1 K. (D. K. (23.) (27.)			

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PATENT REEL: 036876 FRAME: 0915

[Page 1]

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~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
NAME OF SOLE OR FIRST INVENTOR:	
Given Name	
(first and middle [if any]) Uwe T.	Family Name or Sumame BORNSCHEUER
Inventor's signature	Date
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship DE
NAME OF SECOND INVENTOR:	
Given Name	
(first and middle [if any]) David	Family Name or Sumame WEINER
Second a Development	
Inventor's signature	Date
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship UK
NAME OF THIRD INVENTOR:	
	T
Given Name (first and middle [if any]) Tim	Family Name or Sumame HITCHMAN
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Given Name	
(first and middle [if any]) Sirirung	Family Name or Surname WONGSAKUL
Inventor's cionature & Wong saluel	A. L. L. Walk Same
Inventor's signature	Date October 1844, 2015
Mailing Address: P.O. Box 4, 6100 AA Echt, The Netherlands	Citizenship TH

**RECORDED: 10/26/2015**