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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3472078

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LESLIE S BURNS	03/19/2002
PAUL R GRAUPNER	07/01/2002
PAUL LEWER	07/01/2002
CHRISTINE J MARTIN	03/19/2002
WILLIAM A VOUSDEN	03/19/2002
CLIVE WALDRON	07/01/2002
BARRIE WILKINSON	03/19/2002

RECEIVING PARTY DATA

Name:	DOW AGROSCIENCES LLC
Street Address: 9330 ZIONSVILLE ROAD	
City:	INDIANAPOLIS
State/Country:	INDIANA
Postal Code:	46268-1054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14082494

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email:	tlsisneros@traskbritt.com
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ATTORNEY DOCKET NUMBER:	2971
NAME OF SUBMITTER:	EDGAR R. CATAXINOS
SIGNATURE:	/Edgar R. Cataxinos/
DATE SIGNED:	08/06/2015
Total Attachments: 5	- ·

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INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled:

NOVEL SPINOSYN-PRODUCING POLYKETIDE SYNTHASES

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our names(s). I/We acknowledge that I/we hold the invention and all patents and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers.

As trustee(s), and for good and valuable consideration and/or the remuneration received for my work, I/we sell, assign and transfer unto:

Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, Indiana 46268-1054 United States of America

a limited liability company organized and existing under the laws of the State of Delaware, U.S.A. (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications for Letter Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all International Conventions(s) and Treaties in the name of Assignee, and all rights in and to any Letters Patent that may be issued for the invention in any and all countries.

I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we do hereby authorize Assignee or its designee to insert here the application number, filing date, and country for the first patent application filed on the invention: Application No. 60/358.075 Filing Date 02/19/2002

Application No.	00/338,0/5	Filing Date	02/19/2002
in country		v	
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To facilitate recordal of this assignment in connection with other patent applications on the invention, I/we do hereby authorize Assignee or its designee to insert here the application number, filing date, and country for any such patent application:

Application No.	Filing Date
in country	

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given. Subscribed and Declared by me/us:

At Cambridge, United England	At Indianapolis, Indiana USA
this <u>19</u> day of <u>Morth</u> 2002 Effective as of February 19, 2002	this day of July 2002 Effective as of February 19, 2002
Signature <u>AOS 10 Strums</u> Full Name: Lesley 6. Burns Residence: 26 Willow Walk Cambridge, Cambridgeshire CB1 1LA Country: United Kingdom Citizenship: IRISH P.O. Address: Same as Residence Employed By: Sistica Constant Log Of Country: United Constant	SignatureI GraupherFull Name:Paul R. GraupherResidence:12723 Wembly Road Carmel, Indiana 46033Country:United States of AmericaCitizenship:BritishP.O. Address:Same as ResidenceEmployed By:Dow AgroSciences LLC United States of America
At Indianapolis, Indiana USA	At Commission, United Kingdom
thisday oftay 2002 Effective as of February 19 2002	this <u>19</u> day of <u>March</u> 2002 Effective as of February 19, 2002
Signature Full Name: Paul Lewer Residence: 8810 Dandy Creek Drive Indianapolis, Inciano 46 34 Country: United States of America	Signature <u>C. J. Martun</u> Full Name: Christine J. Martin Residence: 73 Brampton Park Road Hitchin, Hertfordshire SG5 1XE
Citizenship: British P.O. Address: Same as Residence Employed By: Dow AgroSciences LLC Of Country: United States of America	Country: United Kingdom Citizenship: Brivish P.O. Address: Same as Residence Employed By: Bictrica Technology Linited Of Country: United Kicodom.

62,069 PROV1 ASSIGNMENT (X) Additional names and signatures are attached.

At CAMBRIDGE UK	At Indianapolis, Indiana USA
this 11 th day of ARCH 2002 Effective as of February 19, 2002	this_ <u>Lit</u> _day of <u>Tuby</u> 2002 Effective as of February 19, 2002
Signature June Villiam A. Vousden Full Name: William A. Vousden Residence: 38 Thornhill Place Longstanton, Cambridgeshire CB4 5EE	Signature <u>Clive Waldron</u> Full Name: Clive Waldron Residence: 6206 Green Leaves Road Indianapolis, Indiana 46220 Country: United States of America
Country: United Kingdom Citizenship: 124 ITISH P.O. Address: Same as Residence Employed By: BIOTICA TECHNOLOGY CTD Of Country: UNK.	Citizenship: British P.O. Address: Same as Residence Employed By: Dow AgroSciences LLC Of Country: United States of America
AL CAMBRIOGE, UK	At
At CAMBAIOGE UX this 19 TH day of MAACH 2002 Effective as at Eebruary 19, 2002 Signature Barrie Wilkinson Residence: 10 Wellpond Close	thisday of2002 Signature Full Name: Residence:
Sharnbrook, Bedfordshire MK44 1PL Country: United Kingdom Citizenship: GR ITISH P.O. Address: Same as Residence Employed By: BIOTICA TECHNOLOGY CTP Of Country: UK	Country: Citizenship: P.O. Address: Employed By: Of Country:
At	At
thisday of2002	thisday of2002
Signature Full Name: Residence:	Signature Full Name: Residence:
Country: Citizenship: P.O. Address: Employed By: Of Country:	Country: Citizenship: P.O. Address: Employed By: Of Country:
At	At
thisday of2002	thisday of2002
Signature Full Name: Residence:	Signature Full Name: Residence:
Country: Citizenship: P.O. Address: Employed By: Of Country:	Country: Citizenship: P.O. Address: Employed By: Of Country:

NOTARI	AL CERTIFICATE (Individual)
UNITED KINGDOM) }
on this 19 day of r before me Lesley S. Burn known or identified to me executed the foregoing doc and deed for uses and purp SEAL	s to be the individual described in and who ument and acknowledged the same as a free act
SEAL	Resident of Cambr. KetNorwin ny
NOTARI	My Commission Expires on my death AL CERTIFICATE (Individual)
UNITED STATES OF AMERICA STATE OF INDIANA COUNTY/PARISH of Marion on this /// day of before me Paul R. Graupn known or identified to me executed the foregoing doc and deed for uses and purpo	to be the individual described in and who ument and acknowledged the same as a free act
	My commitblier implieb August 27, 2000
NOTARI	AL CERTIFICATE (Individual)
UNITED STATES OF AMERICA STATE OF INDIANA COUNTY/PARISH of Marion on this / 4 day of before me Paul Lewer known or identified to me to executed the foregoing docu))) 2002, personally appeared to be the individual described in and who ument and acknowledged the same as a free act
and deed for uses and purpo	pses therein expressed.
SEAL	Marcia R. Jansen, Mary Public

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Marcia R. Jansen, Notary Public Resident of Marion County My Commission Expires August 27, 2006

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Page One of Three

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NOT	ARIAL CERTIFICATE (Individual)
UNITED KINGDOM)
)
	1
on this 19 day of	March 2002, personally appeared
before me Christine J	J. Martin
known or identified to	me to be the individual described in and who document and acknowledged the same as a free ac
and deed for uses and p	urposes therein expressed.
	1 Des Roman
SEAL	W DW Barr Resident of Cambridge + Nor win un My Commission Expires on my death
	Resident of Cambridge 1 Norwey up
	My Commission Expires on my death
	v
NOT	ARIAL CERTIFICATE (Individual)
JNITED KINGDOM)
)
)
on this 19" day of	March 2002, personally appeared
pefore me William A.	Vousden
executed the foregoing	me to be the individual described in and who document and acknowledged the same as a free ac
and deed for uses and p	urposes therein expressed.
	LIDW Barr
SEAL	Notary Public
	Resident of Cambridg- 1 Norwich U.
	WDW Barr Resident of Cambridge-1 Norwick U. My Commission Expires on und death
NOTA	ARIAL CERTIFICATE (Individual)
NITED STATES OF AMERICA	A)
TATE OF INDIANA OUNTY/PARISH of Marion)
1 1	\bigcirc , '
on this / AC day of defore me Clive Waldro	Muy 2002, personally appeared
	ne to be the individual described in and who
xecuted the foregoing d	locument and acknowledged the same as a free act
nd deed for uses and pu	arposes therein expressed.
	MANARIA Q CAMPAN
SEAL	Marcia R. Jansen, Notary Public
	Resident of Marion County
	My Commission Expires August 27, 2006

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NOTARIAL CERTIFICATE (Individual)

UNITED KINGDOM

on this 19 day of March 2002, personally appeared before me **Barrie Wilkinson** known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

WD WRarr

)

)

Notary Public Resident of Lambridge + Narisch UK. My Commission Expires on my drafy

NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA STATE OF INDIANA COUNTY/PARISH of Marion

day of

day of

2002, personally appeared

before me known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

on this

Notary Public

Resident of My Commission Expires

NOTARIAL CERTIFICATE (Individual)

UNITED STATES OF AMERICA STATE OF INDIANA COUNTY/PARISH of Marion

2002, personally appeared

before me known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

on this

Notary Public

Resident of My Commission Expires

Docket 62,069 PROV1

RECORDED: 08/06/2015