## 06-14-2000

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FORM PTO-1595	U.S. DEPARTMENT OF COMMERCE	
1-31-92 RECORDATION FO		
PATENTS ONLY  To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy		
thereof.		
Name of conveying party(ies):	2. Name and address of receiving party(ies):	
James K. Petell James A. Strickland 5-19-00	Dow AgroSciences LLC	
James A. Strickland	9330 Zionsville Road	
Gregory L. Orr	Indianapolis, Indiana 46268	
Raymond O. Fatig Scott B. Bintrim	United States of America	
Scott B. Billulin	1 · · · · · · · · · · · · · · · · · · ·	
Additional name(s) of conveying party(ies) attached.  Additional name(s) & address(es) attached		
3. Nature of conveyance:		
☑Assignment Merger		
Security Agreement Change of Name		
, ,	,	
Other:		
Execution Date(s): May 15 and 18, 1998.		
4. Application number(s) or patent number(s): 60/045,641	Filed 05/05/97 and 09/072,264 Filed 05/04/98; Patent	
Number 6,048,838 Issued 04/11/00.	tion the everytion data of the application is	
If this document is being filed together with a new applica	tion, the execution date of the application is:	
A. Patent Application No.(s)  B. Pate	nt No.(s):	
Additional Application Number(s) or Pa	tent Number(s) are attached.	
Title of Application:	DUADDUC	
INSECTICIDAL PROTEIN TOXINS FROM XENOR 5. Name and address of party to whom correspondence	KHABUUS	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 2	
IV. with I. I controlled		
Kenneth L. Loertscher Dow AgroSciences LLC	7. Total fee (37 CFR 3.41):\$ 80.00	
9330 Zionsville Road	Enclosed	
Indianapolis, IN 46268	☑ Authorized to be charged to deposit account	
-		
	8. Deposit account number: 04-1529 *If this estimate is incorrect, please debit or credit	
	our account accordingly.	
DO NOT USE	THIS SPACE	
231101 032		
9. Statement and signature.	<del></del>	
To the best of my knowledge and belief, the foregoing infor	mation is true and correct and any attached copy is a true	
copy of the original document.		
	,	
Donald R. Stuart, 28,479 Name of Person Signing  DONAL of Control of Person Signing  Signature	trast 5/17/00	
Name of Person Signing  Donald R. Stuart, 28,479  Name of Person Signing  Signature	Date	
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Total number of pages including cover sheet, attachments, and document: L6_1		
50,585		

06/13/2000 DNGUYEN 00000219 041529 60045641

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PATENT REEL: 010840 FRAME: 0218

## 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: INSECTICIDAL PROTEIN TOXINS FROM XENORHABDUS

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 United States of America

a general partnership organized and existing under the laws of the State of Indiana, 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.

first patent applic Application No.	ation filed on the invention: 60/045,641	e to insert here the application number, filing date, and country forFiling Date05/05/97
in country	United States of Ame	rica
authorize Assign	dal of this assignment in connecte oe or its designee to insert here t	ction with other patent applications on the invention, I/we do hereb the application number, filing date, and country for any such paten
authorize Assign application: Application No.	rdal of this assignment in connectee or its designee to insert here to 09/072,264  United States of Ame	the application number, filing date, and country for any such paten Filing Date 05/04/98

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 Indianapolis, Indiana LISA

At Indianapoli	s, Indiana USA	
this 8 day of	1998	
Effective as o	f May 4, 1998	
	( ) TE Cetter	
Signature		
Full Name:	James K. Petell	
Residence:	15 Monahan Road	
	Zionsville, Indiana 46077	
Country:	United States of America	
Citizenship:	United States of America	
P.O. Address		
Employed By	United States of America	
Of Country:	Tinited States of America	
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	is Indiana USA	<u>.</u>
At Indianapol	is, Indiana USA	
At Indianapol	is, Indiana USA Muy 1978	
At Indianapol this 15 day of Effective as of	is, Indiana USA Muy 1978	-
At Indianapol this 15 day of Effective as of Signature	is, Indiana USA 1975 of Way 4, 1998	-
At Indianapol this 1/2 day of Effective as of Signature Full Name:	is, Indiana USA  1978  of May 4, 1998  Sregory L. Orr	
At Indianapol this 15 day of Effective as of Signature	is, Indiana USA  1975  If May 4, 1998  Sregory L. Orr 1028 Saratoga Circle	
At Indianapol this 1/2 day of Effective as of Signature Full Name:	f May 4, 1998  Sregory L. Orr 1028 Saratoga Circle Indianapolis, Indiana 46280	
At Indianapol this '5 day of Effective as o Signature Full Name: Residence:	is, Indiana USA  1975  If May 4, 1998  Sregory L. Orr 1028 Saratoga Circle	-
At Indianapol this /5 day of Effective as of Signature Full Name: Residence:	Fregory L. Orr 197 S 197	-
At Indianapol this 1/2 day of Effective as of Signature Full Name: Residence:  Country: Citizenship:	Fregory L. Orr 1028 Saratoga Circle Indianapolis, Indiana 46280 United States of America Canada Same as Residence	-
At Indianapol this 1/2 day of Effective as of Signature Full Name: Residence:  Country: Citizenship:	Fregory L. Orr 1028 Saratoga Circle Indianapolis, Indiana 46280 United States of America Canada Same as Residence	-
At Indianapol this 1/2 day of Effective as of Signature Full Name: Residence:  Country: Citizenship:	s, Indiana USA  Muy 4, 1998  Fregory L. Orr 1028 Saratoga Circle Indianapolis, Indiana 46280 United States of America Canada	<b>=</b>

At Inglanapoli	s, Indiana USA
this / day of_	May 19 98
Effective as of	May 4 1998/
Signature	1528111 51
Full Name:	James A. Strigkland
	780 Mt. Zion Road
Residence	
	Lebanon, Indiana 46052
Country:	United States of America
Citizenship:	United States of America
P O Address:	: Same as Residence
Employed By:	Dow AgroSciences LLC
Of Country:	United States of America
	Child States of Line 1
	s. Indiana USA
this ( Sday of	MAY19_12
this ( Sday of	MAY 1998
this <u>( S</u> day of Effective as 9	MAY 1998 EMay 4, 1998
this ( Sday of	f.May 4, 1998 Raymond O. Fatig
this Sday of Effective as o Signature Full Name:	MAY  EMay 4, 1998  Raymond O. Fatig  30 Clay Court
this t Sday of Effective as o Signature	MAY  f May 4, 1998  Raymond O. Fatig 30 Clay Court Zionsville, Indiana 46077
this 1 Sday of Effective as 9 Signature Full Name: Residence:	Raymond O. Fatig 30 Clay Court Zionsville, Indiana 46077 United States of America
this 1 day of Effective as 9 Signature Full Name: Residence:	Raymond O. Fatig 30 Clay Court Zionsville, Indiana 46077 United States of America United States of America
this 1 day of Effective as 9 Signature Full Name: Residence:	Raymond O. Fatig 30 Clay Court Zionsville, Indiana 46077 United States of America United States of America
this 1 day of Effective as of Signature Full Name: Residence:  Country: Citizenship: P.O. Address	Raymond O. Fatig 30 Clay Court Zionsville, Indiana 46077 United States of America United States of America Same as Residence
this 1 day of Effective as of Signature Full Name: Residence:  Country: Citizenship: P.O. Address	Raymond O. Fatig 30 Clay Court Zionsville, Indiana 46077 United States of America United States of America

Additional names, addresses, and signatures to be attached to Form No. 110 Entitled: INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

At Indianapolis, Indiana USA	At	
this Chay of May 1998	At thisday of19	
Signature  Full Name: Scott B. Bintrim Residence: 511 Beals Street	Signature Full Name: Residence:	
Carmel, Indiana 46032 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence Employed By: Dow AgroSciences LLC Of Country: United States of America	Country: Citizenship: P.O. Address: Employed By: Of Country:	
Atthisday of19	At thisday of19	
Signature	Signature Full Name: Residence:	
Country: Citizenship: P.O. Address: Employed By: Of Country:	Country: Citizenship: P.O. Address: Employed By: Of Country:	
Atthisday of19	At thisday of19	_
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:	
Atthisday of19	Atthisday of19	
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:	

222 • 222 •	222 · 222 ·	
FORM 222		
NOTARIAL CERTIFICATE (Individual)		
UNITED STATES OF AMERICA STATE OF INDIANA COUNTY/PARISH of Marion  on this /8 <sup>4/1</sup> day of Mary before me James K. Petell	) ) 19 <u>98</u> personally appeared	
known or identified to me to be the individua	al 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	Resident of Marcon, Notary Public  Resident of Marcon  My Commission Expires Debruary 09, 200/	
NOTARIAL CERTIFICATE (Individual)		
UNITED STATES OF AMERICA STATE OF INDIANA COUNTY/PARISH of Marion		
on this 5 <sup>th</sup> day of May of before me <b>James A. Strickland</b> known or identified to me to be the individual acknowledged the same as a free act and deed	1912 personally appeared all described in and who executed the foregoing document and d for uses and purposes therein expressed.	
SEAL	Resident of Marion, Notary Public County My Commission Expires Debruary 09, 2001	
NOTARIAL CERTIFICATE (Individual)  UNITED STATES OF AMERICA )		
STATE OF INDIANA COUNTY/PARISH of Marion	}	
acknowledged the same as a free act and dee	19 personally appeared all described in and who executed the foregoing document and d for uses and purposes therein expressed.	
SEAL	Synd C. Handon, Notary Public Resident of Marcon, County My Commission Expires Depruary (0, 2001	

Docket 50,585

FORM 222	• 222 •
	CEDTIFICATE (Individual)
NOTARIAL	CERTIFICATE (Individual)
UNITED STATES OF AMERICA STATE OF INDIANA COUNTY/PARISH of Marion	) }
on this 15411 day of 477 ay- before me Raymond O. Fatig known or identified to me to be the individ- acknowledged the same as a free act and de	1978, personally appeared ual described in and who executed the foregoing document and sed for uses and purposes therein expressed.
SEAL	Fryno C Hannon, Notary Public Resident of Marion, Notary Public County My Commission Expires Lernary, 09, 2001
NOTARIAL	CERTIFICATE (Individual)
UNITED STATES OF AMERICA STATE OF INDIANA COUNTY/PARISH of Marion	}
on this 15411 day of May before me Scott B. Bintrim known or identified to me to be the individual acknowledged the same as a free act and de	19 <u>P</u> personally appeared ual described in and who executed the foregoing document and sed for uses and purposes therein expressed.
SEAL	Resident of Marion  Notary Public  Resident of Marion  My Commission Expires Dibruary 09, 2001

Docket 50,585

**RECORDED: 05/19/2000** 

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PATENT REEL: 010840 FRAME: 0222