

08-13-1999

PATENTS ONLY



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To the Honorable Commissioner of Patents and Trademarks: Please record the at.

1. Name of conveying party(ies):
UNIVERSITY OF BIRMINGHAM
Roy Sherwin LEHRLE
Robert John WILLIAMS

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: June 13, 1994 (Deed of Assignment)
 February 24, 1997 (Zeneca Ltd. to Monsanto Co.)

2. Name and address of receiving party(ies):
 Name: **MONSANTO COMPANY**
 Internal Address:
 Street Address: **800 N. Lindbergh Boulevard**
 City: **St. Louis** State: **Missouri** Zip: **63167**

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or registration number(s): **Attorney Docket No. MOBT:081**

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):
GB 9411792.6 (US Serial No. 08/768,030)

B. Patent No.(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: **Vikki Meriwether, Paralegal**
Arnold White & Durkee
P.O. Box 4433
 City: **Houston** State: **Texas** Zip: **77210**

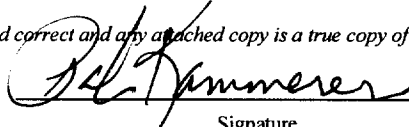
6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)----- \$ **40.00**
 Enclosed
 Authorized to be charged to deposit account
 if check insufficient or inadvertently omitted

8. Deposit account number: **01-2508/MOBT081/KAM**
 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patricia A. Kammerer  **08/06/99**

Name of Person Signing, Reg. No. 29,775 Signature Date

Total number of pages including cover sheet, attachments and documents: **7 & Check**


Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Office of Public Records,
Crystal Gateway 4, Room 335, Washington, D.C. 20231

08/12/1999
01 FC:581

HTHAI1 00000131 08768030 CERTIFICATE OF MAILING
 37 C.F.R. 1.8

40.00 OP

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Office of Public Records, Crystal Gateway 4, Room 335, Washington, DC 20231, on the date below:

August 6, 1999 
 Vikki Meriwether

THIS DEED OF ASSIGNMENT is made the 13th day of June, 1994
BETWEEN THE UNIVERSITY OF BIRMINGHAM (The University), ROY SHERWIN LEHRLE
of 98 Presthope Road, Selly Oak, Birmingham B29 49L, United Kingdom and
ROBERT JOHN WILLIAMS of 169 Gravelly Lane, Erdington, Birmingham B23 6LT,
United Kingdom of the first part, and ZENECA LIMITED of 15 Stanhope Gate,
London W1Y 6LN, England (hereinafter referred to as "the Company") of the
second part.

WHEREAS

- (a) Roy Sherwin Lehrle and Robert John Williams have made an invention (hereinafter called "the said invention") which relates to a Polymer Composition in the course of research work carried out under a Research Agreement dated 7 November 1991 between Imperial Chemical Industries PLC, the University and Robert John Williams under the terms of which the rights in the invention are the property of Imperial Chemical Industries PLC.
- (b) The rights of Imperial Chemical Industries PLC in the invention and the aforesaid Research Agreement vested in ZENECA Limited under an Agreement made between Imperial Chemical Industries PLC and ZENECA Limited dated 18 December 1992.
- (c) A patent application relating to the invention has been filed in the name of the Company of which particulars are given in the Schedule hereto hereinafter called "the said Application".
- (d) The parties of the first part have agreed to assign to the Company all their right, title and interest in the said Invention by a deed in the present form.

NOW THIS ASSIGNMENT WITNESSETH AS FOLLOWS and it is hereby agreed as follows:

- (1) In consideration of the premises, the parties of the first part assign unto the Company all their right, title and interest in and to:
 - (i) the said Invention
 - (ii) the said Application
 - (iii) any and all Letters Patent applications for the said Invention

and any and all Letters Patent and any other form of protection which may be granted for the said Invention. together with the sole and exclusive benefit thereof and all rights, privileges and advantages whatsoever appertaining thereto (as far as the same would but for this assignment arise or accrue to the benefit of the parties of the first part) to hold the same unto the Company for its sole use and benefit exclusively.

- (2) The parties of the first part assign unto the Company the right to make applications for Letters Patent or other form of protection for the said Invention in any and all countries where such protection may be made by another than the inventor and to claim priority from such applications for any further applications.
- (3) The Company hereby accepts this assignment.
- (4) The parties of the first part covenant and agree to sign all papers and drawings, take all rightful oaths and do all acts necessary or required by the Company to be done for the procurement of Letters Patent or other form of protection for the said Invention and for further vesting or confirming the right and title thereof in the Company without charge to the Company but at its expense.
- (5) The Company shall pay the costs of the prosecution of all applications for property rights in respect of the said Invention.
- (7) This Assignment shall be deemed to have come into full force and effect as from the day of 199..
- (8) This Assignment is made under the law of England.

THE SCHEDULE

UK Patent application No.	Filed	Title
9411792.6	13 June 1994	Polymer Composition

IN WITNESS WHEREOF this Deed of Assignment has been duly executed by the parties the day and year first above written.

Signed as a Deed by the said in the presence of:

Roz Shermi lehal

E. Place
Address University of Birmingham
Birmingham B15 2TT
Occupation Research scientist

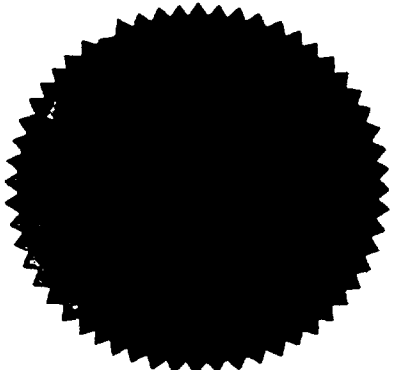
Signed as a Deed by the said in the presence of :

R Williams

~~.....~~
Address MRPRA
Brickendonbury
Hertford Herts.
Occupation Research Scientist

The Common Seal of The University of Birmingham was hereunto affixed in the presence of:

Gallant
(A Shon)
()



The Common Seal of ZENECA Limited was hereunto affixed in the presence of:

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()

USASSIGN
USA

A S S I G N M E N T

WHEREAS, ZENECA Limited of 15 Stanhope Gate, London W1Y 6LN, United Kingdom, a company created and existing under the laws of England has acquired the entire right, title and interest, by assignment, in and to the following Letters Patent of the United States of America and applications for Letters Patent of the United States of America:

Letters Patent

Patent No	Date of Issue	Surname of Inventors
4336334	22 June 1982	Powell, Collinson
4324907	13 April 1982	Alderson, Senior and Wright
4360488	23 November 1982) Barham and Selwood
4391766	5 July 1983	
4433053	21 February 1984	Hughes and Richardson
4393167	12 July 1983	Holmes, Newton and Wilimouth
4477654	16 October 1984	Colins, Holmes and Wright
4427614	24 January 1984	Barham and Holmes
4477655	16 October 1984	Holmes
4537738	27 August 1985	Holmes
4562245	31 August 1985	Stageman
4910145	20 March 1990	Holmes and Lim
5266470	30 November 1993	Collins, Richardson and Senior
5296362	22 March 1994) Anderson, Byrom, Dawes and
5387513	7 February 1995	
5126255	30 June 1992) Anderson, Byron, Dawes and
5264546	23 November 1993	
5061743	29 October 1991	Herring and Webb
5364778	15 November 1994	Byrom
5281649	25 January 1994	Barham, Organ and Webb
5478892	26 December 1995	Buckman and Ballard
5516825	14 May 1996	Montador and Webb
5560962	11 October 1996	Brunger and Kemmish
5525658	11 June 1996	Greer and Liddell
5550173	27 August 1996	Bal and Hammond
5534616	9 July 1996	Waddington

Applications for Letters Patent

Serial No	Filing Date	Surname of Inventors
07/949524	24 May 1991	Byrom and Steinbuechel
08/374662	13 July 1993	George and Liddell
08/407030	28 September 1993	Clauss, George, Horowitz, Hunter and Sanders
08/424458	27 October 1993	Greer

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Applications for Letters Patent - Continued

Serial No	Filing Date	Surname of Inventors
08/433343	4 November 1993	Hammond
08/433501	12 November 1993	Cummings, Rees and Watson
08/595213	1 February 1996	Waddington
08/495449	26 January 1993	De Koning
08/530332	7 April 1994	Liddell and Locke
08/553412	20 May 1994	Liggatt
08/553642	1 June 1994	Liggatt and O'Brien
08/556932	1 June 1994	Liggatt and O'Brien
08/553644	1 June 1994	Liggatt and O'Brien
08/553649	1 June 1994	Hammond, Liggat, Montador and Webb
08/591558	11 July 1994	Kemnish
08/647,909	30 May 1996	Kemnish and Montador
GB 9411792.6	13 June 1994	Lehrle and Williams

AND WHEREAS, Monsanto Company of 800 North Lindbergh Boulevard, St Louis, Missouri 63167, USA, a company incorporated and existing under the laws of the State of Delaware, United States of America is desirous of acquiring the entire right, title and interest in and to the above listed United States Letters Patent and applications for United States Letters Patent and the inventions covered thereby;

NOW, THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, the said ZENECA Limited has assigned, sold and transferred, and by these presents does assign, sell and transfer unto the said Monsanto Company the entire right, title and interest in and to the said inventions, in the United States and its territorial possessions and the entire right, title and interest in and to said listed Letters Patent and applications for Letters Patent, and in and to any and all Letters Patent which may be granted on said applications in the United States and its territorial possessions and in and to any and all divisions, reissues, continuations and extensions thereof, the same to be held and enjoyed by the said Monsanto Company its successors, assigns and legal representatives, to the full end of the term for the said listed Letters Patent and any and all Letters Patent which may be granted on said applications as fully and entirely as the same would have been held and enjoyed by ZENECA Limited if this assignment had not been made.

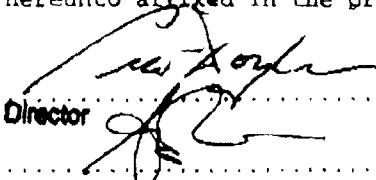
ZENECA Limited hereby authorises and requests the Commissioner of Patents and Trademarks to issue any and all of the Letters Patent on said

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applications, when granted, to said Monsanto Company as the assignee of ZENECA Limited's entire right, title and interest in and to the same, for the sole use and enjoyment of said Monsanto Company its successors and assigns.

IN WITNESS WHEREOF, ZENECA Limited has caused its Common Seal to be affixed this 24th day of February 1997.

THE COMMON SEAL OF ZENECA Limited was hereunto affixed in the presence of


.....
Director

GRAEME H. R. MUSKER

Company Secretary

No Legalisation

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REPT TO

PATENT

REEL: 010153 FRAME: 0988