

10/220353

PT10 Rec'd PCT/PTO 29 AUG 2002

A/D 58146

MRD  
8/29/02

FORM PTO-1595  
(Rev. 6-93)

12-03-2002



102297233

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
R SHEET

Attorney Docket No.: 056258-5009

To the Commissioner for Patents  
Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):  
  
Colin Bernard REESE  
  
Additional names of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies):  
  
Name: Avecia Limited  
  
Internal Address:  
  
Street Address: Hexagon House, Blackley, Manchester,  
M9 8ZS, United Kingdom

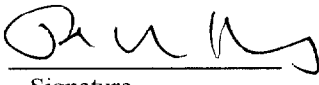
3. Nature of conveyance:  
  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
  
Execution Date: August 14, 2002

City:  
State: Zip:  
  
Additional name(s) & address(es) attached?  
  
 Yes  No

4. New Application number(s) or patent number(s): NEW APPLICATION **10220353**  
  
If this document is being filed together with a new application the execution date of the application is:  
  
August 14, 2002  
  
A. Patent Application No.(s) B. Patent No.(s)  
  
Additional numbers attached:  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: Paul N. Kokulis  
  
Internal Address: **Morgan, Lewis & Bockius LLP**  
**Customer No. 09629**  
  
Street Address: 1111 Pennsylvania Avenue, NW  
City: Washington State: D.C. Zip: 20036

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 50-0310  
  
8. Deposit Account No. 50-0310  
(Attach duplicate page if paying by deposit account)

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.  
  
Paul N. Kokulis Reg. No. 16,773  
Name of Person Signing  August 29, 2002  
Date  
Total number of pages including cover sheet, attachments and documents: 3

09/04/2002 GFREY1 00000141 500310 10220353  
03 FC:581 40.00 CH  
1-WA/1854773.1

PATENT  
REEL: 013281 FRAME: 0063

Please return signed/recorded to:  
MORGAN LEWIS & BOCKIUS LLP  
1111 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004

Attorney Docket: \_\_\_\_\_

### ASSIGNMENT

WHEREAS, the undersigned, to wit:

REESE, Colin Bernard

(hereinafter ASSIGNOR), has made an invention entitled:

Process for the preparation of phosphorothioate triesters

for which an application for Letters Patent of the United States

\_\_\_\_\_ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

\_\_\_\_\_ was filed as International Application No. PCT/GB01/00764 on 23/02/2001

AND WHEREAS Avecia Limited (hereinafter ASSIGNEE), duly organized and existing under the laws of England and Wales and having its principal office and place of business at Hexagon House, Blackley, Manchester, M9 8ZS, United Kingdom desires to acquire an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

The undersigned hereby authorizes Morgan Lewis & Bockius LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date below indicated:

X Reese  
Inventor: REESE, Colin Bernard

Date: X 14th August 2002

Witnesses:

1. X S. A. Bell

2. X R. D. Greenhalgh