

05-02-2002



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

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Newcastle University Ventures Limited (a company incorporated in England)

4-22-02

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: 08/04/2001

2. Name and address of receiving party(ies)

Name: Protensive Limited (a company incorporated in England) Internal Address:

Street Address: 35 Hills Road

Cambridge, CB2 1INT, UK

City: State: Zip:

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

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s) 09/913,905

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Brett A. North

Internal Address:

GARVEY, SMITH, NEHRBASS & DOODY, L.L.C.

Street Address: 3838 N. Causeway Blvd.

Suite 3290

City: Metairie State: LA Zip: 70002

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40

- Enclosed Authorized to be charged to deposit account any deficiencies

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50-0694

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9. Signature.

BRETT A. NORTH

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4/11/02

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Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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PATENT REEL: 012840 FRAME: 0242

ASSIGNMENT OF RSORT PATENT APPLICATIONS

Date: 4 August 2001

Parties:

- 1 'The Assignor' NEWCASTLE UNIVERSITY VENTURES LIMITED (a company incorporated in England), of Sun Alliance House, 35 Mosley Street, Newcastle upon Tyne, NE1 1XX, UK
- 2 'The Assignee' PROTENSIVE LIMITED (a company incorporated in England), of 35 Hills Road, Cambridge, CB2 1NT, UK

Recitals:

- (A) The Assignor is the proprietor of the patent application listed in the Schedule hereto ("the Patent Application")
- (B) The Assignor and the Assignee and have agreed ("the Agreement") for the transfer from the Assignor to the Assignee of certain intellectual property rights including the Patent Application.

Operative provisions:

In pursuance of the Agreement and in consideration for the payment of £1 by the Assignee to the Assignor receipt of which is hereby acknowledged by the Assignors:

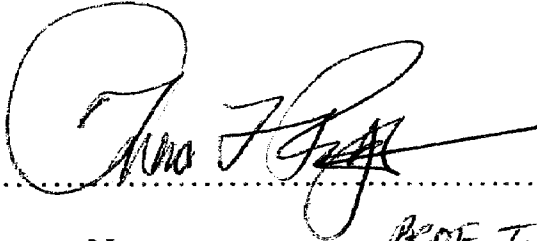
- 1 The Assignor hereby ASSIGNS absolutely to the Assignee free from encumbrances:
 - 1.1 all its right title and interest in and to the Patent Application together with all rights and powers arising or accrued therefrom including the right to sue for damages and other remedies in respect of any infringement of such rights or other acts within the scope of the claims of any published specification of the Patent Application and to retain any damages obtained as a result of such action;
 - 1.2 the right to apply for prosecute and obtain patent or other industrial property protection throughout the world in respect of the inventions which are the subject of the Patent Application including the right to claim priority therefrom to the intent that the grant of any patents or other protection shall be in the name of and vest in the Assignee.

2 The Assignor further agrees that at the request and cost of the Assignee it will at all times hereafter do all such acts and execute all such documents as may reasonably be necessary or desirable both to secure the vesting in the Assignee of all rights assigned to the Assignee hereunder and to assist in the resolution of any question concerning the Patent Application.

AS WITNESS the signatures of a duly authorised officer of the Assignor and a duly authorised officer of the Assignee the day and year first above written

SIGNED for and on behalf of

NEWCASTLE UNIVERSITY
VENTURES LIMITED



Name

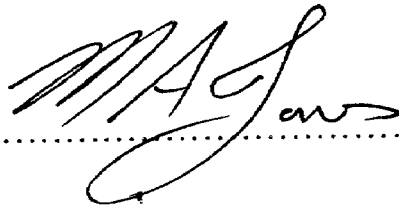
: PROF. T. F. PAGE

Capacity

: DIRECTOR OF NEWCASTLE UNIVERSITY
VENTURES LIMITED

SIGNED for and on behalf of

PROTENSIVE LIMITED



Name

: DR. M. A. JONES

Capacity

: DIRECTOR

SCHEDULE

The Patent Application

Patent Application No. : PCT/GB00/00519

Title : Rotating surface of revolution reactor with enhanced surface features

Inventors : Prof. Colin Ramshaw and Dr. Roshan Jachuck

Date of Filing : 17/2/2000

Date of Priority if different : 17/2/1999

Patent Application No. : PCT/GB00/00521

Title : Rotating surface of revolution reactor with feed and collection mechanism

Inventors : Prof. Colin Ramshaw and Dr. Roshan Jachuck

Date of Filing : 17/2/2000

Date of Priority if different : 17/2/1999

Patent Application No. : PCT/GB00/00523

Title : Rotating surface of revolution reactor with shearing mechanisms

Inventors : Prof. Colin Ramshaw and Dr. Roshan Jachuck

Date of Filing : 17/2/2000

Date of Priority if different : 17/2/1999

Patent Application No. : PCT/GB00/00524
Title : Process for the conversion of a fluid phase substrate by
dynamic heterogeneous contact with an agent
Inventors : Prof. Colin Ramshaw and Dr. Roshan Jachuck
Date of Filing : 17/2/2000
Date of Priority if different : 17/2/1999

Patent Application No. : PCT/GB00/00526
Title : Rotating surface of revolution reactor with temperature control
mechanisms
Inventors : Prof. Colin Ramshaw and Dr. Roshan Jachuck
Date of Filing : 17/2/2000
Date of Priority if different : 17/2/1999

Patent Application No. : PCT/GB01/00634
Title : Rotating surface of revolution reactor with feed and collection
mechanisms
Inventors : Prof. Colin Ramshaw and Dr. Roshan Jachuck
Date of Filing : 15/2/2001
Date of Priority if different : 17/2/1999

Patent Application No. : 0117642.9
Title : Improvements relating to polymerisation reactions
Inventors : Prof. Colin Ramshaw and Dr. Roshan Jachuck
Date of Filing : 20/07/2001

Patent Application No. : 0117655.1
Title : Methods of manufacturing particles
Inventors : Prof. Colin Ramshaw and Dr. Roshan Jachuck
Date of Filing : 20/07/2001