

12/19/03

RECORDATIC

12-23-2003



102630426

ENTS ONLY

Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P. O. Box 1450
Alexandria VA 22313-1450

Please record the attached assignment original.

1. Name of conveying party:

Micromass Limited

Country of Incorporation: United Kingdom

2. Name and address of receiving party:

Micromass UK Limited
Atlas Park
Simonsway
Manchester
M22 5PP
United Kingdom

Country of incorporation: United Kingdom

3. Nature of Conveyance: Assignment of U.S. Patents and U.S. Patent Applications identified on Schedule A attached hereto.

4. Execution date of Assignment: August 29, 2003.

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

Guy D. Yale, Esq.
Alix, Yale & Ristas, LLP
750 Main Street
Hartford, CT 06103-2721

6. Total number of U.S. Patents and U.S. Patent Applications involved: 23

7. Total number of pages: 13

8. Total fee enclosed: \$920 If this amount is incorrect, please charge or credit the difference to Deposit Account No. 16-2563.

2003 DEC 19 AM 8:28
OPR/FINANCE

12/22/2003 DBYRNE 00000201 10304212

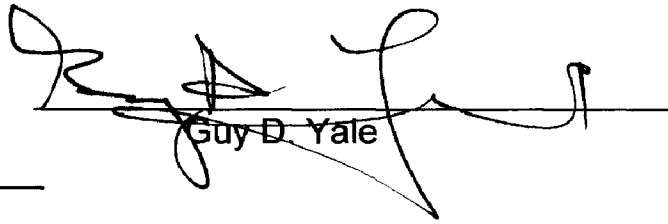
01 FC:8021

920.00 OP

PATENT

REEL: 014797 FRAME: 0966

To the best of my knowledge and belief, the foregoing information is true and correct.



Guy D. Yale

Date: 12-17-2003

Attorney's Docket: DHN/M636

SCHEDULE A

U.S. PATENT APPLICATIONS

Application No.	Filing Date or 371 (c) Date	Title of Invention
10/304,212	February 10, 2003	SAMPLE VIAL AND VIAL CLOSURE DEVICE FOR USE IN GAS ANALYSIS AND METHOD OF USING THE SAME
10/304,211	February 10, 2003	SAMPLE VIAL AND VIAL CLOSURE DEVICE FOR USE IN GAS ANALYSIS AND METHOD OF USING THE SAME
10/727,858	December 4, 2003	SAMPLE VIAL AND VIAL CLOSURE DEVICE FOR USE IN GAS ANALYSIS...
09/381,778	February 22, 2000	TIME OF FLIGHT MASS SPECTROMETER AND DUAL GAIN DETECTOR THEREFOR
08/967,410	November 11, 1997	SAMPLE VIAL AND VIAL CLOSURE DEVICE FOR USE IN GAS ANALYSIS AND METHOD OF USING SAME

U.S. PATENTS

Patent No.	Issue Date	Title of Invention
5,134,287	July 28, 1992	DOUBLE-FOCUSSING MASS SPECTROMETER
5,198,666	March 30, 1993	MASS SPECTROMETER HAVING A MULTICHANNEL DETECTOR
5,296,816	March 22, 1994	INTEGRATED CIRCUIT SENSOR AND DETECTOR AND SPECTROMETERS INCORPORATING THE SENSOR
5,314,827	May 24, 1994	ISOTOPIC COMPOSITION ANALYZER
5,194,732	March 16, 1993	CHARGED-PARTICLE ENERGY ANALYZER AND MASS SPECTROMETER INCORPORATING IT
5,347,125	September 13, 1994	MASS SPECTROMETER HAVING MEANS FOR OBSERVING THE RADIATION EMITTED WHEN IONS COLLIDE WITH A TARGET GAS
5,376,787	December 27, 1994	MASS SPECTROMETER WITH ADJUSTABLE APERTURE MECHANISM
5,471,059	November 28, 1995	MULTIPLE-DETECTOR SYSTEM FOR DETECTING CHARGED PARTICLES
5,766,954	June 16, 1998	ISOTOPIC COMPOSITION ANALYSER
5,757,012	May 26, 1998	CHARGED-PARTICLE DETECTORS AND MASS SPECTROMETER EMPLOYING THE SAME

5,903,002	May 11, 1999	CHARGED-PARTICLE DETECTORS AND MASS SPECTROMETER EMPLOYING THE SAME
5,756,994	May 26, 1998	ELECTROSPRAY AND ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MASS SPECTROMETER AND ION SOURCE
5,661,298	August 26, 1997	MASS SPECTROMETER
6,107,623	August 22, 2000	METHODS AND APPARATUS FOR TANDEM MASS SPECTROMETRY
6,373,052	April 16, 2002	METHOD AND APPARATUS FOR THE CORRECTION OF MASS ERRORS IN TIME-OF FLIGHT-MASS SPECTROMETRY
6,229,142	May 08, 2001	TIME OF FLIGHT MASS SPECTROMETER AND DETECTOR THEREFOR
6,297,501	October 02, 2001	SIMULTANEOUS DETECTION ISOTOPIC RATIO MASS SPECTROMETER
5,426,301	June 20, 1995	OFF-AXIS INTERFACE FOR A MASS SPECTROMETER

ASSIGNMENT

THIS ASSIGNMENT is made the *29th* day of August 2003

BETWEEN

Micromass Limited previously of Floats Road, Wythenshawe, Manchester, M23 9LZ, United Kingdom and more recently of Atlas Park, Simonsway, Manchester, M22 5PP, United Kingdom ("the Assignor")

AND

Micromass UK Limited of Atlas Park, Simonsway, Manchester, M22 5PP, United Kingdom ("the Assignee")

WHEREAS

The Assignor is the proprietor of the inventions which are the subject of the patent applications and patents listed in Annex 2

NOW THEREFORE

In consideration of the sum of one pound (£1) and other good and valuable consideration, receipt of which is hereby acknowledged, the Assignor **HEREBY ASSIGNS** to the Assignee:

All rights that the Assignor may have in the inventions including all copyright and design rights, and the right to apply for patents, utility models, registered designs and any other intellectual property rights in respect of the inventions in respect of any country or region of the world.

All rights that the Assignor may have arising from the patent applications and patents listed in Annex 2 including the right to claim priority therefrom under the International Convention or any other treaty, convention or arrangement, in respect of any application for intellectual property rights in respect of any country or region of the world.

EXECUTED as of the date first above written

M Lynaugh
Micromass Limited

Name: *M LYNAGH*
Position: *Director*

M Lynaugh
Micromass UK Limited

Name: *M LYNAGH*
Position: *Director*

United States CONTINUATION TO BE FILED
Applicant Micromass Limited
Client Micromass UK Limited
Agent Alix, Vale & Ristas, LLP

APPLN. NO. SERIAL NO.

SUBJECT

FILED

STATUS

YEAR

CASE NO.

Vial closures & method
Case ref IST792US1

Appln due 1*12*03 66/65617010
(as of 11.11.97)Renewal due
Expiry 11*11*17

PATENT

REEL: 014797 FRAME: 0972

[illegible]

66/65617005

66/65617006

[REDACTED]

Client : Micromass UK Limited

(MICR7)

Page 33

APPLN. NO. SERIAL NO.

SUBJECT

FILED STATUS

YEAR CASE NO.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

United States PAT 08/967410
Applicant Micromass Limited
Client Micromass UK Limited
Agent Alix, Yale & Ristes, LLP

Vial closures & method
Case ref IST792US1

11.11.97 O/L Due
Renewal due
Expiry

66/65617003

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

USA (PCT) PAT 09/381778
Applicant Micromass Limited
Client Micromass UK Limited
Agent Alix, Yale & Ristes, LLP
(PCT designation)

TOF MS and detector
Case ref NM870 US

23. 9.99 Accept. due
(as of 25. 1.99)Renewal due
Expiry

25* 1*19

66/67901011

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

CASE NO.

85/52996005

31/54326004

984/54352004

Client : Micromass UK Limited

(MICR7)

Page 35

APPLN. NO.	SERIAL NO.	SUBJECT	FILED	STATUS	YEAR	CASE NO.
United States PAT 584179 Applicant Micromass Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP	5314827	Isotopic Composition Analyzer Case ref IST251	18. 9.90	Renewal due Expiry	24*11*05 24* 5*11	11 92/54687003
USA (PCT) PAT 777304 Applicant Micromass Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP (PCT designation)	5194732	Energy analyser and MS Case ref A313	2.12.91 (as of 1. 6.90)	Renewal due Expiry	16* 9*04 1* 6*10	11 31/55548003
United States PAT 68743 Applicant Micromass Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP	5347125	Collision emission MS Case ref A372	28. 5.93	Renewal due Expiry	13* 3*06 28* 5*13	11 64/58138004
United States PAT 119985 Applicant Micromass Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP	5376787	Mass spectrometer Case ref IST368	10. 9.93	Renewal due Expiry	27* 6*06 10* 9*13	11 984/58509001
United States CONT 356231 Applicant Micromass Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP	5471059	Detecting charged particles Case ref IST425	16.12.94 (as of 14. 2.94)	Renewal due Expiry	28* 5*07 14* 2*14	11 984/59171006
United States CONT 636938 Applicant Micromass Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP	5766954	Isotopic composition analyzer Case ref IST420	26. 4.96 (as of 15. 9.95)	Renewal due Expiry	16*12*05 15* 9*15	7 92/60329004
United States PAT 709089 Applicant Micromass Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP	5757012	Charged-particle detectors Case ref IST702051	6. 9.96	Renewal due Expiry	26*11*05 6* 9*16	7 85/63470003
United States DIVIS 958608 Applicant Micromass Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP	5903002	Charged-particle detectors Case ref IST702052	27.10.97 (as of 6. 9.96)	Renewal due Expiry	11*11*06 6* 9*16	7 85/63470014
United States PAT 766299 Applicant Micromass UK Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP	5756994	APCI/Electrospray MS source Case ref B718	13.12.96	Renewal due Expiry	26*11*05 13*12*16	7 85/63924005
United States PAT 649795 Applicant Micromass Limited Client Micromass UK Limited Agent Alix, Yale & Ristas, LLP	5661298	Magnetic sector MS Case ref A655US	17. 5.96	Renewal due Expiry	26* 2*05 17* 5*16	7 85/64555002

PATENT

REEL: 014797 FRAME: 0976

Client : Micromass UK Limited

(MICK7)

Page 36

APPLN. NO. SERIAL NO.

SUBJECT

FILED

STATUS

YEAR

CASE NO.

United States PAT 138152 6107623
Applicant Micromass Limited
Client Micromass UK Limited
Agent Alix, Yale & Ristas, LLP

Tandem mass spectrometry
Case ref MM808

21. 8.98 Renewal due 22* 2*04 3 66/66947003
Expiry 21* 8*18

USA (PCT) PAT 09/381604 6373052
Applicant Micromass Limited
Client Micromass UK Limited
Agent Alix, Yale & Ristas, LLP
(PCT designation)

Correction of errors in TOFMS
Case ref MM864
22. 9.99 Renewal due 16*10*05 3 85/67750004
(as of 25. 1.99) Expiry 25* 1*19

USA (PCT) PAT 09/381774 6229142
Applicant Micromass Limited
Client Micromass UK Limited
Agent Alix, Yale & Ristas, LLP
(PCT designation)

TOF MS and detector
Case ref MM892
23. 9.99 Renewal due 8*11*04 3 66/67901006
(as of 25. 1.99) Expiry 25* 1*19

United States PAT 09/294448 6297501
Applicant Micromass Limited
Client Micromass UK Limited
Agent Alix, Yale & Ristas, LLP

Simultaneous detection MS
Case ref MM874
19. 4.99 Renewal due 2* 4*05 3 66/68172003
Expiry 19* 4*19

PATENT

REEL: 014797 FRAME: 0977

Client : Micromass UK Limited

(MICK7)

Page 37

APPLN. NO. SERIAL NO.

SUBJECT

FILED

STATUS

YEAR CASE NO.

[REDACTED]

[REDACTED]

[REDACTED]

United States PAT 142359 5426301

Off-axis Interface

21. 1.94 Renewal due 20*12*06 11 85/79160000
Expiry 20* 6*12

Applicant Micromass Limited

Client Micromass UK Limited

Agent Alix, Yale & Ristas, LLP

PATENT

REEL: 014797 FRAME: 0978

RECORDED: 12/19/2003