

11-08-2002

PATENT
03143-G0000 WWW

IN THE UN



102276446

ADEMARK OFFICE

11.6.02

Assignor	Perkin Elmer Bodenseewerk GmbH		
Assignee	Berthold GmbH & Co. KG		
Patent Nos.	5,619,041	5,495,331	5,594,547
	5,777,733	5,118,187	5,036,198

Box Assignment
Assistant Commissioner for Patent
Washington, DC 20231

Patent Assignment Recordation Form Cover Sheet

Dear Sir:

Please record the attached original document.

1. Name of Conveying party. Perkin Elmer Bodenseewerk GmbH; a German Corporation.
2. Name and Address of Receiving Party. Berthold GmbH & Co. KG.; a German Corporation, whose post office address is Calmbacher Str. 22; 75323 Badwildbach; Germany.
3. Nature of Conveyance: Assignment. Execution Date: March 28, 2001
4. Name and Address of Party to Whom Correspondence Concerning Document should be mailed.

Wesley W. Whitmyer, Jr., Registration No. 33,558
Attorney for Applicant
ST.ONGE STEWARD JOHNSTON & REENS LLC
986 Bedford Street
Stamford, CT 06905-5619
203 324-6155

Mailing Certificate: I hereby certify that this correspondence is today being deposited with the U.S. Postal Service as *First Class Mail* in an envelope addressed to: Box Assignment; Commissioner for Patents and Trademarks; Washington, DC 20231.

October 31, 2002

Danielle Dominici

11/08/2002 LMUELLER 00000083 5619041

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240.00 DP

PATENT
REEL: 013456 FRAME: 0614

5. Patent Numbers: 5,619,041 5,495,331
5,594,547 5,777,733
5,118,187 5,036,198
6. Total Number of Patents/Applications Involved: 6.
7. Total Fee (37 CFR 3.41). \$240.00 due. The USPTO Credit Card Payment Form is enclosed herewith.
8. Authorization to Charge Deposit Account. The Commissioner is hereby authorized to charge any additional fees due by this paper and during the entire pendency of this Application to Account No. 19-4516.
9. Statement and Signature. Total number of pages including cover sheet, attachments and document are 16. To the best of my knowledge and belief, the foregoing information is true and correct and any copy submitted herewith is a true copy of the original document.
10. Domestic Representative. The Patent Owner has designated the following person as its Domestic Representative:

Wesley W. Whitmyer, Jr., Registration No. 33,558
ST.ONGE STEWARD JOHNSTON & REENS LLC
986 Bedford Street
Stamford, CT 06905-5619

Respectfully submitted,



Wesley W. Whitmyer, Jr., Registration No. 33,558
Attorney for Applicant
ST.ONGE STEWARD JOHNSTON & REENS LLC
986 Bedford Street
Stamford, CT 06905-5619
203 324-6155

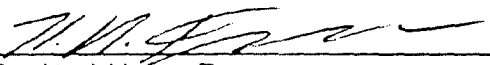
CONFIRMATORY ASSIGNMENT

WHEREAS, Berthold GmbH & Co. KG. is desirous of recording its ownership of the patents and patent applications listed on the attached Exhibit A, in the various Patent Offices throughout the world;

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is acknowledged, Perkin Elmer Bodenseewerk GmbH, whose post office address is Alte Nußdorfer Str. 21, D-88662 Überlingen, Germany, hereby conveys, assigns and transfers its entire rights, titles and interests in and to the patents and patent applications listed on the attached exhibit A, including the right to sue and collect damages for past infringement of said patents to Berthold GmbH & Co. KG., a German corporation whose post office address is, Calmbacher Str. 22; 75323 Badwildbach; Germany.

Executed this 28 day of March, 2008, at _____, [State].

(Assignor)
Perkin Elmer Bodenseewerk GmbH

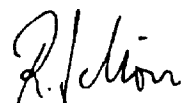
By 
Name: Dr. Karl-Heinz Franzen
Title: VP, Applied Biosystems Europe

Urkundenrolle-Nummer 47 für 2001

Hiermit beglaube ich die vorstehende, eigenhändig vor mir vollzogene Namensunterschrift des mir von Person bekannten Herrn Dr. Karl-Heinz Franzen, geboren am 28.05.1947, wohnhaft Kettungsstraße 2 in 65510 Idstein-Oberrod.

Der Notar versichert, daß er die Erschienene befragt hat, ob sie oder eine mit ihr beruflich verbundene Person in einer Angelegenheit, die Gegenstand dieser Beurkundung ist, außerhalb des Notaramtes tätig war oder ist (Vorbefassung i.S. von § 3 Abs. 1 Nr. 7 BeurkG). Die Frage wurde von der Beteiligten verneint.

Idstein, den 24.03.2001


Schön, Notar

Notarkostenrechnung gem. §§ 141, 154 KostO / Rechnung Nr. 0100097
berechnet nach der Kostenordnung für Notare

Beglaubigung -URNr. 47/2001-

Geschäftswert: 5.000,00 DM

Beglaubigung von Unterschriften §§ 32, 141, 45 I KostO

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Sonstige Auslagen § 141, 137 KostO

1,10 DM

Zwischensumme netto

21,10 DM

16% Mehrwertsteuer § 151a KostO

3,38 DM

Gesamtbetrag

24,48 DM


Schön, Notar

DECLARATION OF WITNESS

ilich) I declare that I was personally present and did see Karl-Heinz Franzen, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at _____, on 28.03.01.

K. Franzen
Signature of Witness

Karl-Heinz Franzen
Name of Witness

,00 DM

,10 DM

,10 DM

,38 DM

,48 DM

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EXHIBIT A

Client	Matter	Country	Status	Name	File Date	Serial Number	Issue Date	Reg. Num.
3143	P0028AAU	Australia	Granted	Electrothermal Atomization Furnace	12/16/88	26949/88	191/05/30	610956
3143	P0031AAU	Australia	Granted	Atomic absorption spectrometer	3/13/89	33521/89	6/18/92	624608
3143	P0038AAU	Australia	Granted	Electrothermal Atomization Furnace	2/1/89	29510/89	5/23/91	610689
3143	P0043AAU	Australia	Granted	Electrothermal Atomization Of A Sample	7/12/89	38036/89	7/2/92	625227
3143	P0055AAU	Australia		Two-Beam Photometer Using Specific Beam Chopper Arrangement		60216/90		
3143	P0069AAU	Australia	Granted	Sample Supply System Having Integrated Microwave	4/2/92	14039/92	5/26/94	649524
3143	P0079AAU	Australia	Granted	An Apparatus For Carrying Out Wet Chemical Reactions	1/8/98	50399/98	1/7/99	700568
3143	P0080AAU	Australia		Detector Device To Be Used In Atomic Absorption Spectroscopy		84184/98		
3143	P0082AAU	Australia	Pending	Method For Labelling Sample Containers		28336/99		
3143	P0088AAU	Australia	Pending	Electrothermal Atomization Means	1/30/97	12394/97		
3143	P0177AAU	Australia	Granted	Atomic Absorption Spectrometer	3/31/94	65387/94	3/13/97	676554
3143	P0181AAU	Australia	Granted	Assembly Useful With An Atomic Spectrometer Ctrometer	12/12/80	65341/80	8/16/84	538542
3143	P0248AAU	Australia	Granted	Echelle Dual Monochromator For Spectral Analysis	6/5/92	18965/92	3/30/95	657968
3143	P0267AAU	Australia	Granted	Graphite Oven For Thermoelectrically Atomising Samples		94902674.4	3/26/97	672244
3143	P0079AAT	Austria	Granted	High Temperature Wet Chemical Reactor Operating Under Pressu		97118274.6		852965
3143	P0278AAT	Austria	Pending	Microwave-Heatable Pressure Reactor	5/11/94	532/94		
3143	P0082ACA	Canada	Pending	Method For Labelling Sample Containers	2/12/99	2287489		
3143	P0281ACA	Canada	Pending	Light Sensing Device	12/4/97	2282416		
3143	P0282ACA	Canada	Pending	Light-Scanning Device	4/12/97	2282015		
3143	P0051ADK	Denmark		Electrothermal Atomizing Oven For Atom Absorption Spectroscopy				381948
3143	P0001AEP	Europe		Digital Fluid Flow Rate Controller				
3143	P0011AEP	Europe	Granted	Methods And Devices For Inserting A Sample Into A Graphite	11/25/81	81109879.7		53349
3143	P0030AEP	Europe	Granted	Atomic Absorption Spectrometer	3/13/89	89903738.6		365624
3143	P0031AEP	Europe	Granted	Atomic Absorption Spectrometer				376994
3143	P0032AEP	Europe	Granted	Atomic Absorption Spectrometer	3/13/89	89903718	8/24/94	364539
3143	P0034AEP	Europe	Granted	Electromagnet For An Atomic Absorption Spectrometer				363457
3143	P0037AEP	Europe	Pending	Furnace For The Electrothermal Atomization Of Samples For AA	1/8/88	88112434.1		326642
3143	P0040AEP	Europe	Granted	Driving Mechanism For Driving An Oscillating Polarizer	8/25/89	89115659.8		358057
3143	P0041AEP	Europe	Granted	Device For Generating A Magnetic Field In An Atomic Absorpti	4/3/89	89904543	7/28/93	376994
3143	P0043AEP	Europe	Pending	Electrothermal Atomization Of A Sample	6/29/89	89111843.2		350722

3143	P0046AEP	Europe	Granted	Spectroscopy Analysis Sample Substance Preparation Device	10/6/89	89118542.3		373311
3143	P0047AEP	Europe	Pending	Electrothermal Atomization Furnace	12/12/88	88121099.1		
3143	P0048AEP	Europe	Granted	Electrothermal Atomising Samples For Spectroscopic Purposes	2/21/90	90103302	1993/04/48	386521
3143	P0050AEP	Europe	Granted	Determining Concentration By Atomic Absorption Spectroscopy	2/19/90	90103110.4	10/18/95	384337
3143	P0051AEP	Europe	Granted	Electrothermal Atomizing Oven For Atom Absorption Spectroscopy	5/1/90	90100727.8	4/8/93	381948
3143	P0053AEP	Europe	Granted	System For Introducing A Sample Substance	5/31/90	90110356.4	11/2/95	400639
3143	P0055AEP	Europe	Granted	Two-Beam Photometer Using Specific Beam Chopper Arrangement	7/31/90	90114675.3		412410
3143	P0059AEP	Europe	Granted	Dosing Device For Fluid Chromatography Appointments	9/27/90	90118557.9	12/15/93	423517
3143	P0061AEP	Europe	Granted	Double Monochromator	10/15/90	90119716		427966
3143	P0062AEP	Europe	Granted	Analyzing Samples By Means Of Atomic Absorption Spectroscopy	5/2/91	91101490	11/23/94	458010
3143	P0063AEP	Europe	Published	Illuminating Arrangement For Illuminating A Photomultiplier	3/9/91	91103652.3		
3143	P0076AEP	Europe	Granted	Electrothermal Atomization	1/22/97	97100969.1		790497
3143	P0078AEP	Europe	Granted	Sample Concentration Measuring Method Using Atomic Absorption	4/11/97	97106014		802408
3143	P0079AEP	Europe	Granted	High Temperature Wet Chemical Reactor Operating Under Pressure	10/21/97	97118274.6	7/15/98	852965
3143	P0081AEP	Europe	Granted	Atomic Absorption Spectrometer With Measuring And Reference	9/7/98	98116856	3/17/99	902272
3143	P0082AEP	Europe	Published	Method For Marking Sample Flasks	2/12/99	99908888.3		
3143	P0090AEP	Europe	Granted	Detector Device To Be Used In Atomic Absorption Spectroscopy	9/7/98	98116873.5	3/18/99	911620
3143	P0177AEP	Europe	Granted	Atomic Absorption Spectrophotometer Including Solid State Detector	3/31/94	94913106	1/17/96	692091
3143	P0219AEP	Europe	Granted	Electrothermal Atomization Furnace	8/1/88	88112433.3	4/19/89	311761
3143	P0237AEP	Europe	Granted		10/23/96	96117015.6		778459
3143	P0248AEP	Europe	Granted	Echelle Dual Monochromator For Spectral Analysis	6/5/92	92911706	2/22/95	587683
3143	P0249AEP	Europe	Granted	Graphite Oven For Thermoelectrically Atomising Samples	3/12/93	94902674.4	3/26/97	672244
3143	P0252AEP	Europe	Granted	Echelle Polychromator	2/13/91	91250043	12/7/94	442596
3143	P0254AEP	Europe	Granted	Atomization Unit Preparing Liquid Specimens For Spectroscopy	6/6/86	86107757	1/21/81	208901
3143	P0255AEP	Europe	Granted	Device For Handling Liquids For Analytical Purposes	3/14/95	95913113	1/2/97	750746
3143	P0268AEP	Europe	Granted	Spectrometer Radiation Spectrum Analysis Device	3/10/89	P58909271.5	6/7/95	332211
3143	P0032AFR	France	Granted	Atomic Absorption Spectrometer				364539
3143	P0034AFR	France	Pending	Electromagnet For An Atomic Absorption Spectrometer		P58903398.0		363457
3143	P0041AFR	France	Granted	Device For Generating A Magnetic Field In An Atomic Absorption		376994		376994
3143	P0051AFR	France		Electrothermal Atomizing Oven For Atom Absorption Spectroscopy				381948
3143	P0082AFR	France	Pending	Method For Labelling Sample Containers	1999/	99908888.3		
3143	P0177AFR	France		Atomic Absorption Spectrophotometer Including Solid State Detector				692091

3143	P0219AFR	France	Granted	Electrothermal Atomization Furnace	8/1/88	88112433	4/19/89	311761
3143	P0219BFR	France	Granted	Electrothermal Atomization Furnace	8/1/88	88112435	2/15/89	303134
3143	P0225AFR	France	Granted	Atomic Absorption Spectrometer For Measuring Mercury Concent	5/17/94	2705459	8/23/96	9406155
3143	P0226AFR	France	Granted	System Temperature control Method In Accordance	6/10/94	947283	12/23/94	9407283
3143	P0248AFR	France	Granted	Echelle Dual Monochromator For Spectral Analysis	6/5/92	92911706	2/22/95	587683
3143	P0252AFR	France		Echelle Polychromator				442596
3143	P0254AFR	France	Granted	Atomization Unit Preparing Liquid Specimens For Spectroscopi		EP13523FR		208901
3143	P0255AFR	France	Granted	Device For Handling Liquids For Analytical Purposes				750746
3143	P0267AFR	France	Granted	Graphite Oven For Thermoelectrically Atomising Samples		94902674.4	3/26/97	672244
3143	P0268AFR	France	Granted	Spectrometer Radiation Spectrum Analysis Device				332211
3143	P0278AFR	France	Granted	Microwave-Heatable Pressure Reactor				
3143	P0003ADE	Germany	Pending	Heated Measuring Cell For Atomic Absorption Spectrophotomete	3/10/95	952812	9/15/95	2717105
3143	P0004ADE	Germany	Pending	Chromatographic Sampling Turntable	3/17/78	P2811672.5		
3143	P0005ADE	Germany	Pending	Heating Device For A Quartz-Bulb	4/26/78	P2857811.2		
3143	P0007ADE	Germany	Pending	Automatic Sample Feeder For Flameless Atomic Spectrometer	2/8/78	G7823119.3		
3143	P0009ADE	Germany	Pending	Method For Feeding Samples In Liquid Chromatography	6/15/79	P2924124.5		
3143	P0011ADE	Germany	Pending	Methods And Devices For Inserting A Sample Into A Graphite	1/10/80	P3037014		
3143	P0012ADE	Germany	Pending	Devices For The Automatic Generation Of A Series Of Gaseous	11/27/80	P3044627		
3143	P0013ADE	Germany	Pending	Devices For The Generation Of A Gaseous Measuring Sample	7/14/82	P3226234.5		
3143	P0014ADE	Germany	Granted	Electric Heater For A Rotating Sample Vessel Container	7/14/82	P3226235.3		
3143	P0015ADE	Germany	Pending	Device For The Compensation Of Baseline Drift	3/1/84	G8312693.7		P3460912.1
3143	P0016ADE	Germany	Pending	Device For Sampling Breath Air At The Workplace	7/1/83	P3323744.1		
3143	P0017ADE	Germany	Pending	Fast Spectrometer	1/7/83	P3323720.4		
3143	P0018ADE	Germany	Pending	Procedure For The Temperature Adjustment Of The Oven E.G.	9/17/83	P3333731.4		
3143	P0020ADE	Germany	Pending	Pneumatic Atomizer For Atomic Absorption Spectroscopy	9/27/83	P3334875.8		
3143	P0025ADE	Germany	Pending	Closure For Sample Bottles	5/6/85	P3516176.0		
3143	P0031ADE	Germany	Pending	Atomic Absorption Spectrometer	11/6/86	G8629214.5		
3143	P0032ADE	Germany	Pending	Atomic Absorption Spectrometer	3/18/88	P3809213.1		
3143	P0033ADE	Germany	Pending	Semimonocoque Covering Cap For Analytical Balance	3/18/88	P3809212.3		P58908230.2
3143	P0035ADE	Germany	Granted	Atomic Emission Spectrometer	3/18/88	G8803709.6		
3143	P0036ADE	Germany	Pending	Atomic Emission Spectrometer With Background Compensation	4/9/88	8907996.6	10/14/92	P3811922.6
3143	P0040ADE	Germany	Granted	Driving Mechanism For Driving An Oscillating Polarizer	4/9/88	P3811923.4		
3143					9/7/88	P3830398.1		3830398.1

3143	P0041ADE	Germany	Pending	Forming Corrective Magnetic Field For Atom Absorption Spectr	4/6/88	3811446.1	
3143	P0042ADE	Germany	Pending	Reaction Vessel Holder	7/11/88	G8808894.4	
3143	P0043ADE	Germany	Pending	Electrothermal Atomization Of A Sample	7/13/88	P3823733.4	350722
3143	P0044ADE	Germany	Pending	Compressed-Gas Controlled Shutoff Valve	11/8/88	G8813944.1	
3143	P0046ADE	Germany	Granted	Apparatus And Method For Pre-Concentration Of A Sample	12/16/88	P3842315.4	3842315
3143	P0048ADE	Germany	Granted	Electrothermal Atomising Samples For Spectroscopic Purposes	2/21/90	90103302	P3907454.4
3143	P0049ADE	Germany	Pending	Method And Device For Mercury Analysis	9/8/88	P3830504.6	
3143	P0051ADE	Germany	Pending	Furnace For The Electrothermal Atomization Of Samples	5/1/90	90100727.8	P59002130.3
3143	P0052ADE	Germany	Pending	45 Degree-Beam Splitter Unit	7/31/89	P3917955.9	
3143	P0056ADE	Germany	Pending	Atomic Absorption Spectrophotometer For The Multi-Element An	7/21/89	P3924060.6	
3143	P0059ADE	Germany	Pending	Dosing Device For Analyzing Apparatus	10/18/89	P3934699.4	
3143	P0059BDE	Germany	Granted	Dosing Device For Analyzing Apparatus	9/27/90	P59003872.9	P59003872.9
3143	P0060ADE	Germany	Pending	Control Apparatus For Controlling An Aspirator Tube In An Au	10/14/89	P3934344.8	
3143	P0061ADE	Germany	Granted	Double Monochromator	11/11/89	P3937599.4	P3937599.4
3143	P0062ADE	Germany	Granted	Analyzing Samples By Means Of Atomic Absorption Spectroscopy	4/7/90	91101490	P4011338.8
3143	P0063ADE	Germany	Granted	Illuminating Arrangement For Illuminating A Photomultiplier	3/23/90	4009334.4	4009334
3143	P0065ADE	Germany	Pending	Arrangement For Improving The Resolution Of A Spectrometer	5/30/90	P4017317.8	
3143	P0066ADE	Germany	Pending	Apparatus For Producing Sample Vapor For Transferral Into An	1/24/91	P4101956.3	
3143	P0067ADE	Germany	Pending	Analytical Apparatus	9/13/90	G 90 13 050.2	
3143	P0068ADE	Germany	Pending	Chopper	1/25/91	G 91 00 823.9	
3143	P0069ADE	Germany	Pending	Sample Supply System Having Integrated Microwave Disintegrat	4/3/91	P4110735.7	
3143	P0070ADE	Germany	Pending	Sample Supplying Apparatus For Flow Injection Analysis	6/13/90	P4018928.7	
3143	P0071ADE	Germany	Pending	Atomic Absorption Spectrophotometer	5/15/91	G9105972.0	
3143	P0078ADE	Germany	Pending	Method Of Determining Concentrations By Means Of Spectroscop	4/19/96	19617100.8	852965
3143	P0079ADE	Germany	Pending	An Apparatus For Carrying Out Wet Chemical Reactions	5/22/02	59707325.2-08	
3143	P0081ADE	Germany	Pending	Atomic Absorption Spectrometer	9/12/97	19740210	
3143	P0085ADE	Germany	Pending	Polarimeter	9/9/88	3830310.8	
3143	P0090ADE	Germany	Granted	Detector Device To Be Used In Atomic Absorption Spectroscopy	9/7/98	98116873.5	P19740210.0
3143	P0185ADE	Germany		Device For The Automatic Transport Of Samples To A Liquid Ch			
3143	P0205ADE	Germany	Registered	Rinsing Liquid Apparatus for Analytical Instruments	2/6/86	3603632.3	3603632
3143	P0219ADE	Germany	Granted	Electrothermal Atomization Furnace	10/16/87	P3735013.7	P3735013.7
3143	P0219CDE	Germany	Granted	Electrothermal Atomization Furnace	8/1/88	P3882458.2	P3882458.2

3143	P0221ADE	Germany	Granted	Gas Chromatography	12/30/92	G9217808.1	3/11/93	9217808.1
3143	P0224ADE	Germany	Granted		1/24/91	9100804	4/11/91	9100804
3143	P0225ADE	Germany	Granted	Atomic Absorption Spectrometer For Measuring Mercury Concent	5/17/93	P4316513.3	11/24/94	P4316513.3
3143	P0225BDE	Germany		Atomic Absorption Spectrometer For Measuring Mercury Concent	10/1/93	4333572	4/6/95	4333572
3143	P0226ADE	Germany	Granted	System Temperature Control Method In Accordance With	6/14/93	P4319652.7	12/15/94	10612564
3143	P0229ADE	Germany	Pending	Atomic Absorption Spectrometry	1/21/94	P4401745.6		
3143	P0230ADE	Germany	Granted	Two-Beam Polychromator For Continuous Liquid Delivery Proces	3/23/94	4410036.1	9/28/95	4410036.1
3143	P0231ADE	Germany	Published	Atomic Absorption Spectrometer For Mercury Concentration	3/31/94	P4411441.9		
3143	P0233ADE	Germany	Granted	Multi-Element Atomic Absorption Spectrometer	4/15/94	4413096.1		4413096
3143	P0234ADE	Germany	Granted	Atomic Absorption Spectrometer And High-Pressure Lamp For	9/10/92	P4230298.6		P4230298.6
3143	P0236ADE	Germany	Granted	Optical Spectrometer With Combined Beam Splitter And Detecto	11/23/95	19543729.2		19543729.2
3143	P0237ADE	Germany	Granted	Spectrometer With Monochromator And Multi-Element Light Mete	4/12/95	19545178.3		19545178.3
3143	P0239ADE	Germany	Granted	Two-Beam Grating Polychromator	7/15/92	P4223212.0	3/18/99	P4223212.0
3143	P0240ADE	Germany	Granted	Two-Beam Grating Polychromator With Measurement And Control	7/15/92	P4223211.2	3/4/99	P4223211.2
3143	P0242ADE	Germany	Granted	Sample Magazine For Head-Space Gas Chromatography	6/10/91	P4119023.8	12/17/92	P4119023
3143	P0243ADE	Germany	Granted		7/13/99	P19932630.4		P19932630.4
3143	P0248ADE	Germany	Pending	Echelle Dual Monochromator For Spectral Analysis	6/5/92	59201468.1		
3143	P0250ADE	Germany	Granted		7/3/89	DD286668	1/31/91	DD286668
3143	P0252ADE	Germany	Granted	Echjelle Polychromator	2/13/91		1/19/95	59103733.5
3143	P0267ADE	Germany	Granted	Graphite Oven For Thermoelectrically Atomising Samples	12/4/92	P59305989.1	3/26/97	672244
3143	P0268ADE	Germany	Granted	Spectrometer Radiation Spectrum Analysis Device		P58909271.5		332211
3143	P0275ADE	Germany	Pending	Unit For A Plasma Atomizer Device With Plasma Gas-Supply	7/13/99	19932630.4		
3143	P0277ADE	Germany	Granted	Electrothermal Furnace For An Atomic Absorption Spectrometer	9/2/99	19941874.8	6/10/02	10612564
3143	P0278ADE	Germany	Granted	Microwave-Heatable Pressure Reactor	2/24/95	1006577	9/14/95	19506577
3143	P0283ADE	Germany	Granted	Appliance For Identifying A Light Source In An Atomic				3538780.7
3143	P0284ADE	Germany	Pending	Furnace	6/12/01	10128272.9		
3143	P0285ADE	Germany	Pending	Jet Circuit Breaker System	6/15/01	10128920		
3143	P0286ADE	Germany	Pending	Flame Atomization Device	5/11/01	10122873.2		
3143	P0287ADE	Germany	Pending	Automic Absorption Spectroscopy	2/22/02	10107742.8		
3143	P0288ADE	Germany	Pending	Light Source	9/13/01	10145172.5		
3143	P0032AGB	Great Britain	Granted	Atomic Absorption Spectrometer				364539
3143	P0034AGB	Great Britain	Pending	Electromagnet For An Atomic Absorption Spectrometer		P58903398.0		363457

3143	P0035AGB	Great Britain	Granted	Atomic Emission Spectrometer	4/10/89	8907996.6	10/14/92	2217836
3143	P0041AGB	Great Britain	Granted	Device For Generating A Magnetic Field In An Atomic Absorpti		376994		376994
3143	P0043AGB	Great Britain	Granted	Electrothermal Atomization Of A Sample	6/29/89	89111843.2		350722
3143	P0048AGB	Great Britain	Granted	Electrothermal Atomising Samples For Spectroscopic Purposes	2/21/90	90103302	4/28/93	386521
3143	P0050AGB	Great Britain		Determining Concentration By Atomic Absorption Spectroscopy				384337
3143	P0051AGB	Great Britain		Electrothermal Atomizing Oven For Atom Absorption Spectroscop				381948
3143	P0059AGB	Great Britain	Granted	Dosing Device For Analyzing Apparatus	9/27/90	90118557	4/24/91	423517
3143	P0062AGB	Great Britain		Analyzing Samples By Means Of Atomic Absorption Spectroscopy				458010
3143	P0066AGB	Great Britain	Granted	Producing Sample Vapor For Transfer Into Inductively Coupled				2252160
3143	P0079AGB	Great Britain	Pending	High Temperature Wet Chemical Reactor Operating Under Pressu		97118274.6		852965
3143	P0082AGB	Great Britain	Pending	Method For Labelling Sample Containers		99908888.3		
3143	P0177AGB	Great Britain		Atomic Absorption Spectrophotometer Including Solid State De				692091
3143	P0219AGB	Great Britain	Granted	Electrothermal Atomization Furnace	8/1/88	88112433	4/19/89	311761
3143	P0219BGB	Great Britain	Granted	Electrothermal Atomization Furnace	8/1/88	88112435	2/15/89	303134
3143	P0225AGB	Great Britain	Granted	Atomic Absorption Spectrometer For Measuring Mercury Concent	5/11/94	9409423.2	11/27/96	2278438
3143	P0226AGB	Great Britain	Granted	System Temperature Control Method In Accordance With Tempera	5/31/94	9410824.8	6/5/96	2279158
3143	P0252AGB	Great Britain		Echelle Polychromator				442596
3143	P0254AGB	Great Britain	Granted	Atomization Unit Preparing Liquid Specimens For Spectroscopi		EP13523GB		EP13523GB
3143	P0255AGB	Great Britain	Granted	Device For Handling Liquids For Analytical Purposes				750746
3143	P0267AGB	Great Britain	Granted	Graphite Oven For Thermoelectrically Atomising Samples		94902674.4	3/26/97	672244
3143	P0268AGB	Great Britain	Granted	Spectrometer Radiation Spectrum Analysis Device				332211
3143	P0252AIL	Israel		Echelle Polychromator				442596
3143	P0004AIT	Italy	Pending	Chromatographic Sampling Turntable	4/19/79	21971A/79		
3143	P0014AIT	Italy	Granted	Electric Heater For A Rotating Sample Vessel Container	3/17/84	84102957		123858
3143	P0032AIT	Italy	Granted	Atomic Absorption Spectrometer				364539
3143	P0034AIT	Italy	Pending	Electromagnet For An Atomic Absorption Spectrometer		P58903398.0		363457
3143	P0043AIT	Italy	Granted	Electrothermal Atomization Of A Sample	6/29/89	89111843.2		350722
3143	P0051AIT	Italy	Granted	Electrothermal Atomizing Oven For Atom Absorption Spectroscop				381948
3143	P0053AIT	Italy	Granted	System For Introducing A Sample Substance	5/31/90	90110356.4		400639
3143	P0059AIT	Italy	Granted	Dosing Device For Analyzing Apparatus	9/27/90	90118557	4/24/91	423517
3143	P0062AIT	Italy		Analyzing Samples By Means Of Atomic Absorption Spectroscopy				458010
3143	P0082AIT	Italy	Pending	Method For Labelling Sample Containers	1999/	99908888.3		

3143	P0219AIT	Italy	Granted	Electrothermal Atomization Furnace	8/1/88	88112435	2/15/89	303134
3143	P0225AIT	Italy	Granted	Atomic Absorption Spectrometer For Measuring Mercury Concent	5/16/94	94000977	4/15/97	1269778
3143	P0226AIT	Italy	Granted	System Temperature Control Method In Accordance With	6/7/94	94001180	4/29/97	1270174
3143	P0252AIT	Italy		Echelle Polychromator				442596
3143	P0004AJP	Japan		Chromatographic sampling turntable 251.6				
3143	P0006AJP	Japan	Pending	Pyrometric Temperature Measurements In Flameless Spectroscop	1/29/80	8406/80		
3143	P0022AJP	Japan	Pending	Optical Probe For Measuring Light Transmission Of Liquid	10/24/91	03-277878		
3143	P0028AJP	Japan	Granted	Electrothermal Atomization Furnace	12/19/88	318724/88	4/10/98	2768477
3143	P0031AJP	Japan	Granted	Atomic Absorption Spectrometer	3/13/89	01-502948	3/24/00	3047104
3143	P0032AJP	Japan	Granted	Atomic Absorption Spectrometer	3/17/89	64007/89	9/4/98	2823583
3143	P0034AJP	Japan	Granted	Electromagnet For An Atomic Absorption Spectrometer				2021243
3143	P0034CJP	Japan	Granted	Electromagnet For An Atomic Absorption Spectrometer	3/17/89	64008/89	9/4/98	2823584
3143	P0035AJP	Japan	Granted	Atomic Emission Spectrometer	4/10/89	88205/89	4/9/99	2911471
3143	P0036AJP	Japan	Granted	Atomic Emission Spectrometer With Background Compensation				2806965
3143	P0037AJP	Japan	Granted	Electrical Contacts For Supplying Heating Current To An Elec	8/10/88	88/198131	11/6/88	2848828
3143	P0038AJP	Japan	Granted	Electrothermal Atomization Furnace	2/2/89	89222758	7/3/98	2798409
3143	P0040AJP	Japan	Granted	Driving Mechanism For Driving An Oscillating Polarizer				JP 2,856,779 B2
3143	P0041AJP	Japan	Granted	Device For Generating A Magnetic Field In An Atomic Absorpti	4/3/89	504090/89	3/27/98	2761782
3143	P0043AJP	Japan	Granted	Electrothermal Atomization Of A Sample	7/13/89	01-179216		2848854
3143	P0046AJP	Japan	Granted	Apparatus And Method For Pre-Concentration Of A Sample	12/15/89	324140/89	11/19/99	3,004,299
3143	P0048AJP	Japan	Granted	Electrothermal Atomising Samples For Spectroscopic Purposes	3/8/90	02-055156	9/24/99	2982072
3143	P0049AJP	Japan	Granted	Method And Device For Mercury Analysis	9/8/89	01-231826	9/3/99	2973361
3143	P0050AJP	Japan	Granted	Method For Determining The Concentration By Atomic Absorptio	2/23/90	02-41394	4/23/99	2916541
3143	P0051AJP	Japan	Granted	Furnace For The Electrothermal Atomization Of Samples	2/9/90	28614/90	2/25/00	3037354
3143	P0053AJP	Japan	Granted	System For Introducing A Sample Substance	5/31/90	02-140107	5/19/00	3067166
3143	P0055AJP	Japan	Granted	Two-Beam Photometer Using Specific Beam Chopper Arrangement	8/7/90	02-207696	9/20/91	3-215718
3143	P0056AJP	Japan		Atomic Absorption Spectrophotometer For The Multi-Element An				
3143	P0057AJP	Japan		Device For Analyzing Samples For Mercury And/Or Hydride-Form				
3143	P0058AJP	Japan		Device And Method For Atomic-Spectroscopical Analysis Of Vol				
3143	P0060AJP	Japan	Pending	Control Apparatus For Controlling An Aspirator Tube In An Au	10/15/92	20273486		
3143	P0061AJP	Japan	Granted	Double Monochromator	11/9/90	02-302833	11/17/00	3130920
3143	P0062AJP	Japan	Granted	Analyzing Samples By Means Of Atomic Absorption Spectroscopy	4/8/91	03-101799	8/24/01	3224102

3143	P0082AJP	Japan	Published	Method For Labelling Sample Containers	10/12/99	11-541044		
3143	P0090AJP	Japan	Granted	Detector Device To Be Used In Atomic Absorption Spectroscopy	9/9/98	255229	11/26/99	3007331
3143	P0187AJP	Japan	Granted	Double Monochromator	4/6/82	56147/82	12/24/92	1720890
3143	P0189AJP	Japan	Granted	Sampling System For Gas Chromatographs	7/29/82	131350/82	10/27/92	1706422
3143	P0192AJP	Japan	Granted	Needle Assembly For Feeding Carrier Gas Into Sample Vial	1/23/84	8657/84	2/26/93	1739012
3143	P0202AJP	Japan		Method And Apparatus For Determining The Zero Line In Atomic				
3143	P0215AJP	Japan	Pending	Device For analyzing Samples For Mercury And/Or Hydride-Form				2842477
3143	P0219AJP	Japan	Granted	Electrothermal Atomization Furnace	5/17/94	1994-102727		
3143	P0225AJP	Japan	Pending	Atomic Absorption Spectrometer For Measuring Mercury Concent	6/14/94	1994-132213		
3143	P0226AJP	Japan	Pending	System Temperature Control Method In Accordance With Tempera	4/17/95	9591096	11/14/95	7301560
3143	P0233AJP	Japan	Pending	Multi-Element Atomic Absorption Spectrometer				
3143	P0238AJP	Japan		Furnace For The Electro-Thermal Atomization Of The Samples S				381948
3143	P0051ALI	Liechtenstein		Electrothermal Atomizing Oven For Atom Absorption Spectrosc				364539
3143	P0032ALU	Luxembourg	Granted	Atomic Absorption Spectrometer	5/5/78	7804835		
3143	P0001ANL	Netherlands	Pending	Digital Fluid Flow Rate Controller				384337
3143	P0050ANL	Netherlands	Granted	Determining Concentration By Atomic Absorption Spectroscopy				381948
3143	P0051ANL	Netherlands		Electrothermal Atomizing Oven For Atom Absorption Spectrosc				7806587
3143	P0187ANL	Netherlands	Granted	Double Monochromator				442596
3143	P0252ANL	Netherlands		Echelle Polychromator	2/12/99	CT/EP99/00943		
3143	P0082AWO	PCT	Published	Method For Labelling Sample Containers				442596
3143	P0050ASE	Sweden		Determining Concentration By Atomic Absorption Spectroscopy				381948
3143	P0051ACH	Switzerland		Electrothermal Atomizing Oven For Atom Absorption Spectrosc				442596
3143	P0252ACH	Switzerland		Echelle Polychromator	5/31/90	90110356.4		400639
3143	P0053AGB	United Kingdom	Granted	System For Introducing A Sample Substance	5/25/84	8413405.5	5/7/87	2143034
3143	P0194AGB	United Kingdom	Granted	Apparatus for Examination of Heats of Material Samples		587683		587683
3143	P0248AGB	United Kingdom		Echelle Dual Monochromator For Spectral Analysis	9/24/82	06/422.635	10/22/85	4548497
3143	P0011A	United States	Granted	Introduction Of A Sample Into A Graphite Tube	3/15/84	06/589.821	11/19/85	4554436
3143	P0014A	United States	Granted	Electric Heater For A Rotating Sample Container In A Sample	1/31/89	07/304.865	5/22/90	4927532
3143	P0015A	United States	Granted	Device For The Compensation Of Baseline Drift	12/2/86	06/935.611	4/4/89	4818489
3143	P0016A	United States	Granted	Device For Sampling Breath Air At The Workplace	12/16/88	07/285.884	9/4/90	4953977
3143	P0028A	United States	Granted	Electrothermal Atomization Furnace	3/13/89	07/439.404	2/5/91	4989975
3143	P0030A	United States	Granted	Atomic Absorption Spectrometer				

3143	P0031A	United States	Granted	Atomic Absorption Spectrometer	10/10/90	07/549,013	1/19/93	5181077
3143	P0032A	United States	Granted	Atomic Absorption Spectrometer	11/7/89	07/435,432	3/10/92	5094530
3143	P0034A	United States	Granted	Electromagnet For An Atomic Absorption Spectrometer	11/7/89	07/435,431	5/14/91	5015093
3143	P0035A	United States	Granted	Atomic Emission Spectrometer	4/7/89	07/335,077	3/26/91	5002390
3143	P0036A	United States	Granted	Atomic Emission Spectrometer With Background Compensation	5/17/90	07/526,779	2/11/92	5087123
3143	P0037A	United States	Granted	Feed and Separation Device	6/19/87	07/063,624	5/30/89	4834586
3143	P0038A	United States	Granted	Electrothermal Atomization Furnace	2/1/89	07/304,993	11/6/90	4968141
3143	P0040A	United States	Granted	Driving Mechanism For Driving An Oscillating Polarizer	8/29/89	07/400,304	9/10/91	5046850
3143	P0041A	United States	Granted	Device For Generating A Magnetic Field In An Atomic Absorpti	2/10/94	08/445,606	12/17/96	5585920
3143	P0043A	United States	Granted	Electrothermal Atomization Of A Sample	7/11/89	07/377,992	4/9/91	5005976
3143	P0046A	United States	Granted	Apparatus for Pre-Concentration of a Sample	11/30/89	07/444,185	9/3/91	5045196
3143	P0048A	United States	Granted	Electrothermal Atomising Samples For Spectroscopic Purposes	2/16/90	07/481,834	11/19/91	5066123
3143	P0049A	United States	Granted	Method And Device For Mercury Analysis	8/29/89	07/399,801	6/25/91	5026652
3143	P0050A	United States	Granted	Determining Concentration By Atomic Absorption Spectroscopy	2/16/90	07/481,410	1/14/92	5080485
3143	P0051A	United States	Granted	Furnace For The Electrothermal Atomization Of Samples	2/6/90	07/475,585	3/16/93	5194914
3143	P0053A	United States	Granted	System For Introducing A Sample Substance	5/31/90	07/531,171	12/10/91	5071624
3143	P0055A	United States	Granted	Two-Beam Photometer Using Specific Beam Chopper Arrangement	7/19/90	07/537,965	7/2/91	5028800
3143	P0059A	United States	Granted	Dosing Device For Analyzing Apparatus	10/16/90	07/598,492	3/16/93	5194226
3143	P0061B	United States	Granted	Double Monochromator	12/10/90	07/625,277	10/20/92	5157456
3143	P0062A	United States	Granted	Analyzing Samples By Means Of Atomic Absorption Spectroscopy	4/5/91	07/681,240	9/15/92	5148234
3143	P0066A	United States	Granted	Apparatus for Producing Sample Vapor	1/21/92	07/823,509	9/28/93	5247841
3143	P0072A	United States	Granted	Circuit Arrangement	6/2/95	08/460,823	4/8/97	5619401
3143	P0076A	United States	Granted	Electrothermal Atomization	1/31/97	08/792,322	2/2/99	5866431
3143	P0076B	United States	Granted	Electrothermal Atomization Means For Analytical Spectrometry	9/11/98	09/151,571	11/9/99	5981912
3143	P0078A	United States	Granted	Sample Concentration Measuring Method Using Atomic Absorptio	4/21/97	08/840,953	6/8/99	5910838
3143	P0079A	United States	Pending	An Apparatus For Carrying Out Wet Chemical Reactions	1/8/98	09/004,623		
3143	P0081A	United States	Granted	Atomic Absorption Spectrometer	8/28/98	09/141,543	4/24/01	6222626
3143	P0082A	United States	Pending	Method For Labelling Sample Containers	1/19/00	09/403,072		
3143	P0090A	United States	Granted	Detector Device To Be Used In The Atomic Absorption Spectros	8/25/98	09/139,245	5/8/01	6229604
3143	P0192A	United States	Granted	Needle Assembly for Introducing a Carrier Gas into a Sample	11/21/83	06/553,673	12/17/85	4558603
3143	P0215A	United States	Granted	Device For analyzing Samples For Mercury And/Or Hydride-Form	5/21/90	07/526,090	3/24/92	5098658
3143	P0219A	United States	Granted	Electrothermal Atomization Furnace	7/6/89	07/376,324	10/9/90	4961645

3143	P0225A	United States	Granted	Atomic Absorption Spectrometer For Measuring Mercury Concent	8/30/95	08/521,004	4/8/97	5619041
3143	P0230A	United States	Granted	Dual-beam Polychromator	2/27/95	08/391,397	2/27/96	5495331
3143	P0233A	United States	Granted	Multielement Atomic Absorption Spectrometer And Measurement	3/14/95	08/404,017	1/14/97	5594547
3143	P0237A	United States	Granted	Spectrometer With Monochromator And Multi-Element Light Mete	12/3/96	08/753,869	7/7/98	5777733
3143	P0238A	United States	Granted	Furnace For The Electro-Thermal Atomization Of Samples for	7/20/90	07/556,050	6/2/92	5118187
3143	P0239A	United States	Granted	Multicomponent Photometer	6/30/89	07/374,439	7/30/91	5036198
3143	P0248A	United States	Granted	Echelle Polychromator	5/16/94	08/157,034	9/1/95	5448351
3143	P0249A	United States	Pending		12/3/93	08/446,833		
3143	P0251A	United States	Granted	Device of the Investigation of Highly Resolved Partial Spec*	3/8/89	07/320,674	7/10/90	4940325
3143	P0252A	United States	Granted	Echelle Polychromator	2/15/91	07/657,096	2/23/93	5189486
3143	P0254A	United States	Granted	Device For Nebulizing Sample Liquid	10/11/88	07/256,238	12/12/89	4886359
3143	P0255A	United States	Pending	Device For Handling Liquids For Analytical Purposes	3/14/95	08/714,090		
3143	P0274A	United States		Device For Detecting A Fluorescent Dye	4/6/99	09/286,718		
3143	P0275A	United States	Allowed	Unit For A Plasma Atomizer Device With Plasma Gas-Supply	7/13/00	09/615,245		
3143	P0277A	United States	Pending	Electrothermal Furnace For An Atomic Absorption Spectrometer	9/1/00	09/653,022		
3143	P0278A	United States	Granted	Microwave-Heatable Pressure Reactor	3/7/95	08/399,754	9/30/97	5672316
3143	P0284A	United States	Pending	Furnace	6/12/02	10/167,788		
3143	P0285A	United States	Pending	Jet Circuit Breaker System	6/12/02	10/167,813		
3143	P0286A	United States	Pending	Flame Atomization Device	5/10/02	10/143,222		
3143	P0289A	United States	Pending	Method And Device For Detecting Mercury	3/8/01	09/801,465		