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PATENT
03141-P0105A WWW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignor:	Perkin-Elmer Corporation
Assignee:	Perkin Elmer LLC
Patent No. 4,417,189	Issue Date: November 22, 1983
Title of Application:	Control Circuit For Stepper Motor

Box Assignment
Assistant Commissioner for Patents
Washington, DC 20231

Assignment Recordation Form Cover Sheet

Dear Sir:

Please record the attached original document.

1. Name of conveying party(ies). Perkin-Elmer Corporation

2. Name and Address of Receiving Party. Perkin Elmer LLC, a Delaware Limited Liability Company having offices located at 761 Main Avenue; Norwalk, CT 06859-0119.

3. Nature of Conveyance: Assignment. Execution Date: July 18, 2000

4. Name and Address of Party to Whom Correspondence Concerning Document should be mailed.

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

08/29/2000 DNGUYEN 00000326 4417189
01 FC:581 40.00 OP

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 of Patents and Trademarks; Washington, DC 20231.

~~July~~ Aug 2, 2000

Danielle B. Dominici

5. Patent Number: 4,417,189.

6. Total Number of Patents Involved: 1.

7. Total Fee (37 CFR 3.41). $40.00 due. A check for this amount is enclosed.

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.

Respectfully submitted,

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

CONFIRMATORY ASSIGNMENT

WHEREAS, Perkin Elmer LLC 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 Corporation whose post office address is 761 Main Avenue; Norwalk, CT 06859, hereby conveys, assigns and transfers its entire right, title and interest in and to the patents and patent applications listed on the attached exhibit A, including but limited to the right to sue and collect damages for past infringement of said Patents to Perkin Elmer LLC, a Delaware corporation whose post office address is, 761 Main Avenue; Norwalk, CT 06859.

Executed this 18th day of July ,2000 ,at Connecticut ,[State].

(Assignor)
Perkin-Elmer Corporation (now named PE Corporation (NY))

By _____
Name: Thomas Livingston
Title: ~~Assistant~~ Secretary

State of Connecticut
ss.
County of Fairfield

Before me personally appeared Thomas Livingston and acknowledged the foregoing instrument to be his free act and deed this 18 day of July 2000.

Notary Public _____

H :\library\02085\docs\ConfirmatoryAssignmentPCT

JANE B. LAMBERT
NOTARY PUBLIC
MY COMMISSION EXPIRES MAY 31, 2005

PATENT
REEL: 011019 FRAME: 0500

EXHIBIT A

Perkin Elmer No.	Matter Code	Matter Name	Country	Status	Registration Number	Issue Date	Serial Number	File Date
0895	P0003ASE	Automatic Variable Filters For Us In Scanned Spectrometers	Sweden	Pending			11469-6	1973/05/23
2103	P0004AJP	Flame Ionization Detector Status Indicator	Japan	Pending				
2132	P0005AJP	Detector Cell Assembly	Japan	Pending			160948	1978/12/29
2357	P0006AJP	High Resolution Stepping Motor Drive	Japan	Pending			60305/86	1986/04/23
3602 (MW/KU/06/B)	P0016AJP	Line Frequency Slaved Voltage-To-Frequency Converter System	Japan	Granted	2,730,577	1997/12/19	279469/87	1987/11/06
3828	P0018AJP	Circuit For Synchronizing Digital Signals	Japan	Granted	3060314	2000/04/28	02-205946	1990/08/02
3908	P0019ADE	Application Of Kalman Filtering To ICP Spectra	Germany	Pending			P3927768.2	1989/08/23
3973	P0020ADE	Quadrupole Mass Filter For Charged Particles	Germany	Pending			P4100046.3	1991/01/03
3984	P0021AJP	3 Point Bending Measuring System	Japan	Allowed	3,032,900	2000/02/18	2-304227	1990/11/13
4014	P0023ADE	Plunger Homing Mechanism For Use In Chromatography	Germany	Pending			P4110763.2	1991/04/03
4014	P0023AJP	Plunger Homing Mechanism For Use In Chromatography	Japan	Granted	3,057,380	2000/04/21	3-73264/91	1991/04/05
4015	P0024ACA	Vial Locator And Sensor	Canada	Pending			2,035,916	1991/02/07
4015	P0024AJP	Vial Locator And Sensor	Japan	Granted	5-108160	1993/09/30	333027/91	1991/02/27
4037	P0025AEP	Circuit For Heating And Sensing With A Single Element	Europe	Granted	0498063		91121135.7	1991/12/10
4037	P0025AJP	Circuit For Heating And Sensing With A Single Element	Japan	Granted	4,310,830		03-345215	1991/12/26
4045	P0027ACA	Standardizing And Calibrating A Spectrometric Instrument	Canada	Pending			2,087,360	1993/01/15
4045	P0027AEP	Standardizing And Calibrating A Spectrometric Instrument	Europe	Granted	560,006		97250178.7	1997/06/09
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted	6,082,307		05-037343	1993/02/09
4045	P0027AKR	Standardizing And Calibrating A Spectrometric Instrument	Korea	Granted	1937/93	2000/03/14	1937/93	1993/02/12
4046	P0028ACA	Photodetector Amplitude Linearity	Canada	Pending			2,087,821	1993/01/21
4046	P0028AJP	Photodetector Amplitude Linearity	Japan	Granted	6-88745	1994/03/29	05-023171	1993/01/19
4046	P0028AKR	Photodetector Amplitude Linearity	Korea	Granted	247,171	1999/12/10	728/93	1993/01/21
4067	P0030AJP	Inductively Coupled Plasma Generator	Japan	Pending			115169/93	1993/04/20
4070	P0031AJP	Single Element Thermal Conductivity Detector	Japan	Pending	5-223771	1993/08/31	241447/92	1992/08/19
4076	P0033ADE	Absorbance Correction In Atomic Absorption Spectroscopy	Germany	Pending			P4240301.4	1992/12/01
4091	P0035ADE	Method And Appparatus For Heating A Thermionic Detector Sour	Germany	Pending			P4237167.8	1992/11/04
4091	P0035AJP	Method And Appparatus For Heating A Thermionic Detector Sour	Japan	Granted	5-256822	1993/10/08	04-327513	1992/11/13
4126	P0037AEP	Sampling Conditioning Method & Apparatus	Europe	Pending			91903988.3	
4133	P0038ADE	Optical Switching Apparatus With Retroreflector	Germany	Pending			19502431.1	1995/01/26
4133	P0038AJP	Optical Switching Device With Retroreflector	Japan	Granted	7,287,178		38691/95	1995/02/27
4137	P0039ACA	Grouping Of Spectral Bands For Data Acquisition	Canada	Allowed			2,115,856	1994/02/17
4137	P0039AEP	Grouping Of Spectral Bands For Data Acquisition	Europe	Granted	0615115	2000/04/26	94103599.2	1994/03/09
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Japan	Granted	6,300,628		36743/94	1994/03/09
4317	P0041ACA	Hybrid Valving System For Varying Fluid Flow Rate	Canada	Allowed			2,126,496	1994/06/22
4317	P0041AEP	Hybrid Valving System For Varying Fluid Flow Rate	Europe	Granted	0636959	2000/04/27	94109891.5	1994/06/27
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Japan	Granted	7,076,032		177025/94	1994/07/28
4369	P0042AEP	Nebulizer	Europe	Published	0693320		95109738.9	1995/06/22
4369	P0042AJP	Nebulizer	Japan	Pending			180304/95	1995/07/17
4382	P0044AAU	Optical Spectrometer For Detecting Spectra In Separate Range	Australia	Granted	713,793	1996/05/24	52485/96	1996/05/24
4382	P0044AEP	Optical Spectrometer For Detecting Spectra In Separate Range	Europe	Pending	0744599		96107288.1	1996/05/08
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Japan	Pending			132143/96	1996/05/27
4385	P0045AEP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0763196		95921345.5	1995/05/22
4385	P0045BEP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0803061		95921344.8	1995/05/22
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending			8500987	1996/11/29
4385	P0045BJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending			8500986	1996/11/29
4392	P0046AAU	Spectrometer With Selectable Radiation From Light Source	Australia	Granted	710,068	2000/01/20	34315/95	1995/10/17
4392	P0046AEP	Spectrometer With Selectable Radiation From Light Source	Europe	Pending	0708324		95115662.9	1995/10/04
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Japan	Pending			271017/95	1995/10/19
4411	P0047AAU	Flow Regulation In Gas Chromatograph	Australia	Allowed			45801/96	1996/02/28
4411	P0047ACA	Flow Regulation In Gas Chromatograph	Canada	Pending			2,170,080	1996/02/22
4411	P0047AEP	Flow Regulation In Gas Chromatograph	Europe	Pending	0730151		196103188.7	1996/03/01

4411	P0047AJP	Flow Regulation In Gas Chromatograph	Japan	Pending			45151/96	1996/03/01
4427	P0048AEP	Solid State Inductively Coupled Plasma Generator	Europe	Pending	0851572		97121984.5	1997/12/12
4427	P0048AJP	Solid State Inductively Coupled Plasma Generator	Japan	Published			10000481	1998/01/05
4430	P0049AEP	Gas Chromatographic System With Controlled Sample Transfer	Europe	Pending	0770869		96117016.4	1996/10/23
4430	P0049AJP	Gas Chromatographic System With Controlled Sample Transfer	Japan	Pending			281138/96	1996/10/23
4431	P0050AEP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Europe	Granted	0778453	1997/06/11	96119387.7	1996/12/03
4431	P0050AJP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Japan	Granted	9,178,577	1997/07/11	328552/96	1996/12/09
4432	P0051AEP	Thermal Insulating Container For Liquified Gas	Europe	Published			96113491.3	1996/08/22
4432	P0051AJP	Thermal Insulating Container For Liquified Gas	Japan	Pending			236994/96	1996/09/06
4433	P0052AEP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Europe	Pending	0778439		96119385.1	1996/12/03
4433	P0052AJP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Japan	Pending			328554/96	1996/12/09
4434	P0053AEP	Fluid Conveying Device With Removable Connection	Europe	Published	0762033	2000/06/14	96113490.5	1996/08/22
4434	P0053AJP	Fluid Conveying Device With Removable Connection	Japan	Pending			236996/96	1996/09/06
4435	P0054AEP	Dry Gas Curtain For Cryogenic Surface	Europe	Pending	0762094		96110836.2	1996/07/04
4435	P0054AJP	Dry Gas Curtain For Cryogenic Surface	Japan	Pending			234440/96	1996/09/04
4440	P0055AEP	Standardizing A Spectrometric Instrument	Europe	Pending			97122558.6	1997/12/19
4440	P0055AJP	Standardizing A Spectrometric Instrument	Japan	Pending			353550/97	1997/12/22
4440	P0055B	Standardizing A Spectrometric Instrument	United States	Granted	6,049,762	2000/04/11	08/993,482	1997/12/18
4443	P0056AEP	Apparatus For Controlling Level Of Cryogenic Liquid	Europe	Pending			96119386.9	1996/12/03
4443	P0056AJP	Apparatus For Controlling Level Of Cryogenic Liquid	Japan	Pending			328916/96	1996/12/09
4456	P0057AEP	Standardizing Between Analytical Instruments	Europe	Pending	0851219		97122551.1	1997/12/19
4456	P0057AJP	Standardizing Between Analytical Instruments	Japan	Pending			353748/97	1997/12/22
4456	P0057B	Standardizing Between Analytical Instruments	United States	Pending			08/993,483	1997/12/18
4457	P0058AEP	Standardizing Of Chromatographic Systems	Europe	Pending	0878712		98109041.8	1998/05/18
4457	P0058AJP	Standardizing Of Chromatographic Systems	Japan	Pending			135731/98	1998/05/18
4457	P0058B	Standardizing Of Chromatographic Systems	United States	Granted	5,958,246	1999/09/28	09/079,080	1998/05/14
4458	P0059AJP	Heater Control Circuit	Japan	Pending			1082/97	1997/01/08
4471	P0062AEP	Mounting Apparatus For Induction Coupled Plasma Torch	Europe	Granted	0910231		98119130.7	1998/10/09
4471	P0062AJP	Mounting Apparatus For Induction Coupled Plasma Torch	Japan	Pending			289630/98	1998/10/15
4472	P0063AEP	Ion Detector, Detector Array And Instrument Using Same	Europe	Pending	0898784		97920359.3	1998/10/30
4472	P0063AJP	Ion Detector, Detector Array And Instrument Using Same	Japan	Pending			9-537249	1998/10/12
4479	P0064AEP	Analyzing Spectrometric Data	Europe	Pending	0834725		97117174.9	1997/10/02
4479	P0064AJP	Analyzing Spectrometric Data	Japan	Pending			271050/97	1997/10/03
4479	P0064B	Analyzing Spectrometric Data	United States	Granted	6,029,115	2000/01/22	08/940,575	1997/09/30
4484	P0065A	Self Aligning Optical Fiber Terminator	United States	Pending			09/285,282	1999/04/02
4493	P0066AAU	Tunable External Cavity Diode Laser	Australia	Pending			40466/97	1997/07/28
4493	P0066ACA	Tunable External Cavity Diode Laser	Canada	Pending			2,261,036	1997/07/28
4493	P0066AJP	Tunable External Cavity Diode Laser	Japan	Pending			10509031	1999/01/26
4498	P0067AEP	Backflushing System For Gas Chromatography	Europe	Pending	0829717		97115653.4	1997/09/09
4498	P0067AJP	Backflushing System For Gas Chromatography	Japan	Pending			250877/97	1997/09/16
4531	P0070AEP	Method And Apparatus To Compensate For Gas Chromatograph	Europe	Pending	0872732		98106822.4	1998/04/15
4531	P0070AJP	Method And Apparatus To Compensate For Gas Chromatograph	Japan	Pending			105122/98	1998/04/15
4538	P0071A	Autosampler	United States	Pending			60/122,992	1999/03/05
4590	P0073A	Autosampler Having Gripper With Shape Memory Metal Actuator	United States	Pending			09/250,063	1999/02/12
4076	P0003AJP	Absorbance Correction In Atomic Absorption Spectroscopy	Japan	Granted	5,240,784		04-345133	1992/12/02
	P0079AJP	Computer Control Cable Multi-Port Valve	Japan	Granted	1,361,134	1987/01/30		
3578	P0085AEP	Regulated Deuterium Arc System Supply	Europe	Granted	0254326		87110775.1	1987/07/24
4385	P0045E	Apparatus And Method For Differential Analysis Using Signals	United States	Pending			09/065,762	1998/04/23
4385	P0045A	Apparatus And Method For Differential Analysis Using Signals	United States	Granted	5,549,387	1996/08/27	08/252,597	1994/06/01
3984	P0021AEP	3 Point Bending Measuring System	Europe	Granted	0428010	1994/06/01	90120859.5	1990/10/31
4133	P0038A	Optical Switching Apparatus With Retroreflector	United States	Granted	5,481,631	1996/01/02	08/201,848	1994/02/25
4137	P0039A	Grouping Of Spectral Bands For Data Acquisition	United States	Granted	5,412,468	1995/05/02	08/028,515	1993/03/09
2495	P0089AJP	Automatic Temperature Calibration Of Thermal Analyzers	Japan	Pending			22320/80	1980/02/26
3568	P0091A	Deposited Glass Etalons	United States					
4086	P0034AGB	Photometric Instrument With Optical Fibers For Analyzing	Great Britain	Granted	2,280,026	1998/01/21	9412352.8	1994/06/20
4472	P0063AWO	Ion Detector, Detector Array And Instrument Using Same	PCT	Published			PCT/US97/06077	1997/04/11

4472	P0063A	Ion Detector, Detector Array And Instrument Using Same	United States	Pending			09/180,167	1998/11/03
4493	P0066B	Tunable External Cavity Diode Laser	United States	Pending			09/230,499	1999/01/26
2714	P0093AEP	Solvent Delivery System	Europe	Granted	0085171	1988/04/13	82111717.3	1982/12/17
2714	P0093AFR	Solvent Delivery System	France	Granted	0085171	1988/04/13	82111717.3	1982/12/17
2714	P0093ADE	Solvent Delivery System	Germany	Granted	P3278327.2	1988/04/13	82111717.3	1982/12/17
2714	P0093ANL	Solvent Delivery System	Netherlands	Granted	0085171	1988/04/13	82111717.3	1982/12/17
2714	P0093AIT	Solvent Delivery System	Italy	Granted	0085171	1988/04/13	82111717.3	1982/12/17
2714	P0093AJP	Solvent Delivery System	Japan	Granted	1,764,707	1993/05/28	11602/83	1983/01/28
2714	P0093ASE	Solvent Delivery System	Sweden	Granted	0085171	1988/04/13	82111717.3	1982/12/17
2714	P0093ACH	Solvent Delivery System	Switzerland	Granted	0085171	1988/04/13	82111717.3	1982/12/17
2714	P0093AGB	Solvent Delivery System	Great Britain	Granted	0085171	1988/04/13	82111717.3	1982/12/17
2714	P0093A	Solvent Delivery System	United States	Granted	4,556,367	1985/12/03	06/632,759	1984/07/20
2766	P0096AFR	Spectrophotometer Gas Control System	France	Granted	0069204	1987/09/16		
2766	P0097AGB	Fluid Flow Control Device	Great Britain	Granted	2,085,614	1984/08/30	8125893.1	1981/08/25
2851	P0098ADE	Optical Beam Splitter	Germany	Granted	P3265493.6	1985/08/21	82100648.3	1982/01/29
2851	P0098AJP	Optical Beam Splitter	Japan	Granted	1,792,015	1993/10/14	34115/82	1982/03/02
2851	P0098ACH	Optical Beam Splitter	Switzerland	Granted	0059836	1985/08/21	82100648.3	1982/01/29
2851	P0098AGB	Optical Beam Splitter	Great Britain	Granted	0059836	1985/08/21	82100648.3	1982/01/29
2851	P0098A	Optical Beam Splitter	United States	Granted	4,487,477	1984/12/11	06/470,427	1983/02/28
2873	P0099ADE	Apparatus Useful With A Chromatography Column	Germany	Granted	P3273842.0	1986/10/15	82106509.1	1982/07/17
2873	P0099ACH	Apparatus Useful With A Chromatography Column	Switzerland	Granted	0075669	1986/10/15	82106509.1	1982/07/19
2873	P0099AGB	Apparatus Useful With A Chromatography Column	Great Britain	Granted	0075669	1986/10/15	82106509.1	1982.07/19
2772	P0100ADE	Apparatus And Method Useful For Analyzing Refractory Substan	Germany	Granted	3205580	1993/05/13	3205580	1982/02/17
2772	P0100AJP	Apparatus And Method Useful For Analyzing Refractory Substan	Japan	Granted	1,676,551	1992/06/26	22182/82	1982.02/16
2772	P0100A	Apparatus Useful For Analyzing Refractory Substances	United States	Granted	4,400,354	1983/08/23	06/235,781	1981/02/19
2780	P0101A	Apparatus Useful For Positioning A Light Filter	United States	Granted	4,419,575	1983/12/06	06/269,305	1981/06/02
2876	P0102AEP	Control Circuit For Liquid Chromatograph	Europe	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102AFR	Control Circuit For Liquid Chromatograph	France	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102ADE	Control Circuit For Liquid Chromatograph	Germany	Granted	P3277648.9	1987/11/11	82111720.7	1982/12/17
2876	P0102AIT	Control Circuit For Liquid Chromatograph	Italy	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102AJP	Control Circuit For Liquid Chromatograph	Japan	Granted	1,755,762	1993/04/23	10867/83	1983/01/27
2876	P0102ASE	Control Circuit For Liquid Chromatograph	Sweden	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102ACH	Control Circuit For Liquid Chromatograph	Switzerland	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102AGB	Control Circuit For Liquid Chromatograph	Great Britain	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102A	Control Circuit For Liquid Chromatograph	United States	Granted	4,450,574	1984/05/22	06/343,805	1982/01/29
2989	P0103AFR	Spectrophotometer	France	Granted	0087568	1987/01/07	83100499.9	1983/01/20
2989	P0103ADE	Spectrophotometer	Germany	Granted	P3368984.9	1987/01/07	83100499.9	1983/01/29
2989	P0103AGB	Spectrophotometer	Great Britain	Granted	0087568	1987/01/07	83100499.9	1983/01/20
2989	P0103A	Spectrophotometer	United States	Granted	4,464,051	1984/08/07	06/354,254	1982/03/02
2990	P0104AFR	Liquid Level Sensor	France	Granted	0129120	1988/08/17	84106228.4	1984/05/30
2990	P0104ADE	Liquid Level Sensor	Germany	Granted	P3473509.7	1988/08/17	84106228.4	1984/05/30
2990	P0104ACH	Liquid Level Sensor	Switzerland	Granted	0129120	1988/08/17	84106228.4	1984/05/30
2990	P0104AGB	Liquid Level Sensor	Great Britain	Granted	0129120	1988/08/17	84106228.4	1984/05/30
2990	P0104A	Liquid Level Sensor	United States	Granted	4,598,765	1986/07/08	06/576,585	1984/02/03
2991	P0105A	Control Circuit For Stepper Motor	United States	Granted	4,532,799	1985/08/06	06/506,232	1983/06/17
3007	P0106ADE	L.C. Sample Cell	United States	Granted	4,417,189	1983/11/22	06/344,247	1982/01/29
3007	P0106AJP	L.C. Sample Cell	Germany	Granted	3572537.0	1989/08/23	3572537	1989/08/23
3007	P0106ASE	Sample Cell Temperature Stabalizer	Japan	Granted	1,928,835	1995/05/12	18814/85	1985/02/04
3007	P0106ACH	Sample Cell Temperature Stabalizer	Sweden	Granted	0154792	1989/08/23	85100947.2	1985/1/30
3007	P0106AGB	L.C. Sample Cell	Switzerland	Granted	0154792	1989/08/23	85100947.2	1985/1/30
3007	P0106A	Sample Cell Temperature Stablizer	Great Britain	Granted	0154792	1989/08/23	85100947.2	1985/1/30
3048	P0109AAU	Furnace Positioning Mechanism	United States	Granted	4,598,765	1986/07/08	06/576,585	1984/02/03
3048	P0109ADE	Furnace Positioning Mechanism	Australia	Granted	561,564	1987/05/14	18484/83	1983/08/28
3048	P0109AIT	Thin Drawn Soda Glass Coated To Protect From Contact	Germany	Granted	P3378594.5	1988/11/30	83107709.4	1983/08/04
3048	P0109AGB	The Use Of Thin Drawn Soda Glass Appropriately Coated To	Italy	Granted	0101982	1988/11/30	83107709.4	1983/08/04
3061	P0110AEP	Slip Clutch Assembly	Great Britain	Granted	0101982	1988/11/30	83107709.4	1983/08/04
			Europe	Granted	0133226	1988/03/30	84108028.6	1984/7/9

3061	P0110ABE	Slip Clutch Assembly	Belgium	Granted	0,133,226	1988/03/30	84108028.6	1984/7/9
3061	P0110AFR	Slip Clutch Assembly	France	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110ADE	Coupler Mechanism	Germany	Granted	3470199.0	1988/03/30		
3061	P0110ANL	Slip Clutch Assembly	Netherlands	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110AIT	Slip Clutch Assembly	Italy	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110ACH	Slip Clutch Assembly	Switzerland	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110A	Slip Clutch Assembly	United States	Granted	4,560,050	1985/12/24	06/517,090	1983/07/25
3076	P0111AEP	Spectrophotometer	Europe	Granted	0135761	1991/06/05	84109506.0	1984/08/09
3076	P0111ABE	Spectrophotometer	Belgium	Granted	0,135,761	1991/06/05	84109506.0	1984/08/09
3076	P0111AFR	Spectrophotometer	France	Granted	0135761	1991/06/05	84109506.0	1984/08/09
3076	P0111ADE	Optical Design Of Fourier Transform Spectrophotometer	Germany	Granted	P3484868.9	1991/06/05	84109506.0	1984/08/09
3076	P0111ANL	Spectrophotometer	Netherlands	Granted	0135761	1991/06/05	84109506.0	1984/08/09
3076	P0111AIT	Spectrophotometer	Italy	Granted	0135761	1991/06/05	84109506.0	1984/08/09
3076	P0111AJP	Optical Design Of Fourier Transform Spectrophotometer	Japan	Granted	1,800,723	1993/11/12		
3076	P0111ACH	Spectrophotometer	Switzerland	Granted	0135761	1991/06/05	84109506.0	1984/08/09
3076	P0111AGB	Spectrophotometer	Great Britain	Granted	0135761	1991/06/05	84109506.0	1984/08/09
3076	P0111A	Spectrophotometer	United States	Granted	4,740,082	1988/04/26	06/858,555	1986/04/24
3101	P0112A	Solvent Pressurizing System	United States	Granted	4,448,684	1984/05/15	06/481,789	1983/01/28
3109	P0113A	Liquid Chromatography Controller	United States	Granted	4,618,935	1986/10/21	06/568,765	1984/01/06
3111	P0114A	Pulse Damper	United States	Granted	4,548,713	1985/10/22	06/585,864	1984/03/02
3111	P0114ADE	RTV Pulse Damper	Germany	Granted	3565429.5	1988/10/06	3565429	1988/10/05
3111	P0114AJP	RTV Pulse Damper	Japan	Granted				
3111	P0114ASE	Pulse Damper	Sweden	Granted	0156132	1988/10/05	85101252.6	1985/02/06
3111	P0114ACH	Pulse Damper	Switzerland	Granted	0156132	1988/10/05	85101252.6	1985/02/06
3111	P0114AGB	Pulse Damper	Great Britain	Granted	0156132	1988/10/05	85101252.6	1985/02/06
3138	P0116AAU	Holder Assembly For Reaction Tubes	Australia	Allowed	706,769	1999/06/24	32891/95	1995/09/27
3139	P0117AAU	ICP Bad Plasma Detector	Australia	Allowed	705,036	1999/03/13	62194/96	1994/02/11
3135	P0115AEP	Instantaneous Reading Multichannel Polychromatic Spectrophot	Europe	Granted	0192200	1996/03/06	86101901.6	1986/02/14
3135	P0115AFR	Instantaneous Reading Multichannel Polychromatic Spectrophot	France	Granted	0192200	1996/03/06	86101901.6	1986/02/14
3135	P0115ADE	A Novel Array Spectrometer	Germany	Granted	3650491.2	1996/03/06	3650491	1996/03/06
3135	P0115ANL	Instantaneous Reading Multichannel Polychromatic Spectrophot	Netherlands	Granted	0192200	1996/03/06	86101901.6	1986/02/14
3135	P0115AJP	A Novel Array Spectrometer	Japan	Granted	2,602,809	1997/01/29		
3135	P0115ACH	Instantaneous Reading Multichannel Polychromatic Spectrophot	Switzerland	Granted	0192200	1996/03/06	86101901.6	1986/02/14
3135	P0115AGB	Instantaneous Reading Multichannel Polychromatic Spectrophot	Great Britain	Granted	0192200	1996/03/06	86101901.6	1986/02/14
3135	P0115A	Instantaneous Reading Multichannel Spectrophotometer	United States	Granted	4,678,917	1987/07/07	06/703,260	1985/02/19
3138	P0116ADE	Holder Assembly For Reaction Tubes	Germany	Granted	3407065	1994/12/22	3407065	1984/02/27
3138	P0116AJP	Holder Assembly For Reaction Tubes	Japan	Granted	1,919,140	1995/04/07	35468/84	1984/02/28
3138	P0116A	Holder Assembly For Reaction Tubes	United States	Granted	5,032,283	1991/07/16	06/882,017	1986/07/03
3139	P0117A	Apparatus for Monitoring a Plasma Torch	United States	Granted	4,640,627	1987/02/03	06/526,758	1983/08/26
3142	P0118AEP	An Apparatus And Method For Optimizing Separation of an Unkn	Europe	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118AFR	An Apparatus And Method For Optimizing Separation Of An Unkn	France	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118ADE	An Apparatus And Method For Optimizing The Separation Of An	Germany	Granted	P3586705.1	1992/09/30	85110513.0	1985/08/21
3142	P0118ANL	An Apparatus And Method For Optimizing Separation Of An Unkn	Netherlands	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118AJP	An Apparatus And Method For Optimizing The Separation Of An	Japan	Granted	2,075,811	1996/07/25		
3142	P0118ACH	An Apparatus And Method For Optimizing Separation Of An Unkn	Switzerland	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118AGB	An Apparatus And Method For Optimizing Separation Of An Unkn	Great Britain	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118A	Apparatus and Method for Optimizing Separation of a Sample	United States	Granted	4,579,663	1986/04/01	06/653,256	1984/09/24
3143	P0119A	Production Of Flexible Glass Capillary Tubing Without Extern	United States					
3162	P0120A	Light Detector Apparatus	United States	Granted	5,073,345	1991/12/17	06/753,370	1985/07/09
3163	P0121A	Sample Cell Temperature Stabilizer	United States	Granted	4,589,477	1986/05/20	06/576,660	1984/02/03
3173	P0123AEP	Compensator Plate Adjustment For Beam Splitter	Europe	Granted	0137206	1991/01/23	84109507	1984/08/09
3173	P0123ABE	Compensator Plate Adjustment For Beam Splitter	Belgium	Granted	0137206	1991/01/23	84109507.8	1984/08/09
3173	P0123AFR	Compensator Plate Adjustment For Beam Splitter	France	Granted	0137206	1991/01/23	84109507/8	1984/08/09
3173	P0123ADE	Compensator Plate Adjustment For Beam Splitter	Germany	Granted	P3463992.5	1991/01/23	84109507.8	1984/08/09
3173	P0123ANL	Compensator Plate Adjustment For Beam Splitter	Netherlands	Granted	0137206	1991/01/23	84109507.8	1984/08/09
3173	P0123AIT	Compensator Plate Adjustment For Beam Splitter	Italy	Granted	0137206	1991/01/23	84109507.8	1984/08/09

3173	P0123AJP	Compensator Plate Adjustment For Beam Splitter	Japan	Granted	2,131,945	1996/04/12		
3173	P0123ACH	Compensator Plate Adjustment For Beam Splitter	Switzerland	Granted	0137206	1991/01/23	84109507.8	1984/08/09
3173	P0123AGB	Compensator Plate Adjustment For Beam Splitter	Great Britain	Granted	0137206	1991/01/23	84109507.8	1984/08/09
3173	P0123A	Assembly For Adjusting An Optical Element	United States	Granted	4,735,505	1988/04/05	06/527,885	1983/06/30
3175	P0124ABE	Purge Shutter Mechanism	Belgium	Granted	0,144,539	1989/08/09		
3175	P0124ADE	Purge Shutter Mechanism	Germany	Granted	3479331.3	1989/08/09		
3175	P0124ANL	Purge Shutter Mechanism	Netherlands	Granted	0144539	1989/08/09		
3175	P0124AIT	Purge Shutter Mechanism	Italy	Granted	0144539	1989/08/09		
3175	P0124AJP	Purge Shutter Mechanism	Japan	Granted	1,772,551	1993/07/14		
3175	P0124ACH	Purge Shutter Mechanism	Switzerland	Granted	0144539	1989/08/09		
3175	P0124A	Purge Shutter Mechanism	United States	Granted	4,603,835	1986/08/05	06/549,952	1983/11/08
3176	P0125AEP	Digital Control For Rapid Refill Of A Liquid Chromatograph	Europe	Granted	0194450	1991/01/23	86101623	1986/02/07
3176	P0125AFR	Digital Control For Rapid Refill Of A Liquid Chromatograph	France	Granted	0194450	1991/01/23		
3176	P0125ADE	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Germany	Granted	3677029.9	1991/01/23	3677029	1991/01/23
3176	P0125ANL	Digital Control For Rapid Refill Of A Liquid Chromatograph	Netherlands	Granted	0194450	1991/01/23		
3176	P0125AIT	Digital Control For Rapid Refill Of A Liquid Chromatograph	Italy	Granted	0194450	1991/01/23		
3176	P0125AJP	Digital Control For Rapid Refill Of A Liquid Chromatograph	Japan	Granted	1,979,685	1995/10/17		
3176	P0125ASE	Digital Control For Rapid Refill Of A Liquid Chromatograph	Sweden	Granted	0194450	1991/01/23		
3176	P0125ACH	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Switzerland	Granted	0194450	1991/01/23		
3176	P0125AGB	Digital Control For Rapid Refill Of A Liquid Chromatograph	Great Britain	Granted	0194450	1991/01/23		
3176	P0125A	Digital Control For Rapid Refill Of A Liquid Chromatograph P	United States	Granted	4,643,649	1987/02/17	06/700,785	1985/02/11
3196	P0126AEP	Interferometer Mirror Adjustment	Europe	Granted	0158173	1989/11/02	85103202	1985/03/19
3196	P0126AFR	Interferometer Mirror Adjustment	France	Granted	0158173	1989/11/02		
3196	P0126ADE	Interferometer Mirror Adjustment	Germany	Granted	P3574059.0	1989/11/02	3574050	1989/11/02
3196	P0126AJP	Interferometer Mirror Adjustment	Japan	Granted	1,976,664	1995/08/30		
3196	P0126AGB	Interferometer Mirror Adjustment	Great Britain	Granted	0158173	1989/11/02		
3196	P0126A	Assembly for Positioning An Optical Element	United States	Granted	4,621,899	1986/11/11	06/598,768	1984/04/09
3213	P0128AEP	Micro Argon Detector	Europe	Granted	0184892	1992/08/19	85305196.9	1985/07/22
3213	P0128AFR	Micro Argon Detector	France	Granted	0184892	1992/08/19	85305196.9	1985/07/22
3213	P0128ADE	Micro Argon Detector	Germany	Granted	P3586529.6	1992/08/19	85305196.9	1985/07/22
3213	P0128ANL	Micro Argon Detector	Netherlands	Granted	0184892	1992/08/19	85305196.9	1985/07/22
3213	P0128AJP	Micro Argon Detector	Japan	Granted	1,898,498	1995/01/23	279392/85	1985/12/19
3213	P0128ACH	Micro Argon Detector	Switzerland	Granted	0184892	1992/08/19	85305196.9	1985/07/22
3213	P0128AGB	Micro Argon Detector	Great Britain	Granted	0184892	1992/08/19	85305196.9	1985/07/22
3213	P0128A	Ionization Detectors for Gas Chromatography	United States	Granted	4,740,895	1988/04/26	06/787,553	1985/10/15
3234	P0129A	Apparatus for controlling a Plasma	United States	Granted	4,609,810	1986/09/02	06/624,313	1984/06/25
3255	P0130AEP	Liquid Chromatographic Cartridge Column System	Europe	Granted	0161493	1992/05/20	84104441	1985/04/12
3255	P0130AFR	Liquid Chromatographic Cartridge Column System	France	Granted	0161493	1992/05/20	85104441.2	1985/04/12
3255	P0130ADE	Liquid Chromatographic Cartridge Column System	Germany	Granted	P3586068.5	1992/05/20	85104441.2	1985/04/12
3255	P0130ANL	Liquid Chromatographic Cartridge Column System	Netherlands	Granted	0161493	1992/05/20	85104441.2	1985/04/12
3255	P0130AJP	Liquid Chromatographic Cartridge Column System	Japan	Granted	2,574,045	1998/03/27	15895/94	1985/05/07
3255	P0130ACH	Liquid Chromatographic Cartridge Column System	Switzerland	Granted	0161493	1992/05/20	85104441.2	1985/04/12
3255	P0130AGB	Liquid Chromatographic Cartridge Column System	Great Britain	Granted	0161493	1992/05/20	85104441.2	1985/04/12
3255	P0130A	Polychromator For Multi-Element Analysis	United States	Granted	4,587,014	1986/05/06	06/607,878	1984/05/07
3396	P0243AEP	Dual Servo Impedance Matching System For Icp Spectroscopy	Europe	Granted	0282043	1993/10/20		
3258	P0131AEP	Polychromator For Multi-Element Analysis	Europe	Granted	0155496	1991/01/02	85101457	1985/02/11
3396	P0243A	Dual Servo Impedance Matching System For Icp Spectroscopy	United States	Granted	4,785,257	1989/01/03	07/024,237	1987/03/10
3258	P0131AFR	Dual Servo Impedance Matching System For Icp Spectroscopy	France	Granted	0155496	1991/01/02		
3258	P0131ADE	Dual Servo Impedance Matching System For Icp Spectroscopy	Germany	Granted	P3580991.4	1991/01/02	3580891	1991/01/20
3258	P0131AIT	Dual Servo Impedance Matching System For Icp Spectroscopy	Italy	Granted	0155496	1991/01/02		
3258	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	Japan	Granted	2,111,799	1996/03/22	61690/93	1985/02/28
3654	P0244A	Section Grating Generator	United States	Granted	5,108,187	1992/04/28	07/722,393	1991/06/19
3258	P0131AGB	Dual Servo Impedance Matching System For Icp Spectroscopy	Great Britain	Granted	0155496	1991/01/02		
3258	P0131A	Plasma Emission Source	United States	Granted	4,629,940	1986/12/16	06/585,807	1984/03/02
4314	P0245AEP	Correction Of Spectra For Stray Radiation	Europe	Granted	0658751	1998/08/05		
4314	P0245AFR	Correction Of Spectra For Stray Radiation	France	Granted	0658751	1998/08/05		

4314	P0245ADE	Correction Of Spectra For Stray Radiation	Germany	Granted	69412221.1	1998/08/05		
3259	P0132AEP	Multiple Streams Sampling System	Europe	Granted	0154188	1991/09/25		
4314	P0245AJP	Correction Of Spectra For Stray Radiation	Japan	Pending			313689/94	1994/12/16
3259	P0132ADE	Multiple Streams Sampling System	Germany	Granted	3584175.3	1991/09/25		
3259	P0132ASE	Multiple Streams Sampling System	Sweden	Granted	0154188	1991/09/25		
4314	P0245AGB	Correction Of Spectra For Stray Radiation	Great Britain	Granted	0658751	1998/08/05	941198876.4	1994/12/15
3259	P0132ACH	Multiple Streams Sampling System	Switzerland	Granted	0154188	1991/09/25		
4314	P0245A	Correction Of Spectra For Stray Radiation	United States	Granted	5,428,558	1995/06/27	08/188,800	1993/12/17
3259	P0132A	Apparatus for Periodically Monitoring Composition of Samples	United States	Granted	4,678,639	1987/07/07	06/585,797	1984/03/02
3267	P0134A	Synchronous Wavelength Drive And Data Acquisition Conversion	United States	Granted	4,660,977	1987/04/28	06/704,344	1985/02/22
3292	P0135A	Safety Apparatus for an Atomic Absorption Spectro Burner	United States	Granted	4,668,267	1986/02/04	06/670,711	1984/11/13
3296	P0137A	Self-Sprung Lampholder	United States	Granted	4,597,034	1986/06/24	06/670,715	1984/11/13
3307	P0138AEP	Programmed Temperature Control Of A Thermal System	Europe	Granted	0184283	1991/12/04	85305195.1	1985/07/22
3307	P0138AFR	Programmed Temperature Control Of A Thermal System	France	Granted	0184283	1991/12/04	85305195.1	1985/07/22
3307	P0138ADE	Programmed Temperature Control Of A Thermal System	Germany	Granted	P3584824.3	1991/12/04	85305195.1	1985/07/22
3307	P0138ANL	Programmed Temperature Control Of A Thermal System	Netherlands	Granted	0184283	1991/12/04	85305195.1	1985/07/22
3307	P0138AJP	Programmed Temperature Control Of A Thermal System	Japan	Granted	2,033,583	1996/03/19	272381/85	1985/12/03
3307	P0138ACH	Programmed Temperature Control Of A Thermal System	Switzerland	Granted	0184283	1991/12/04	85305195.1	1985/07/22
3307	P0138AGB	Programmed Temperature Control Of A Thermal System	Great Britain	Granted	0184283	1991/12/04	85305195.1	1985/07/22
3307	P0138A	Programmed Temperature Control Of A Thermal System	United States	Granted	4,752,216	1988/06/21	06/930,982	1986/11/13
3309	P0139A	Ionization Detectors for Gas Chromatography	United States	Granted	4,837,441	1989/06/06	06/922,586	1986/10/24
3309	P0139AGB	Ionization Detectors For Gas Chromatography	Great Britain	Granted	2,183,897	1990/07/11	8528765.6	1985/10/30
3312	P0140ADE	Linearized Ultra-Low Noise Mct Preamp	Germany	Granted	3605488	1995/05/24	3605488	1986/02/20
3312	P0140AJP	Linearized Ultra-Low Noise Mct Preamp	Japan	Granted	2,068,543	1996/07/10	35409/86	1986/02/21
3312	P0140AGB	Detector Preamplifier	Great Britain	Granted	2,171,512	1989/01/25	8601999.9	1986/01/28
3312	P0140A	Detector Preamplifier for Use with a MCT Detector	United States	Granted	4,882,022	1987/07/21	06/704,355	1985/02/21
3313	P0141A	Fluid Flow Control System	United States	Granted	4,617,953	1986/10/21	06/670,714	1984/11/13
2445	P0256ADE	Optical Beam Switching Apparatus	Germany	Granted	P2828145	1987/09/10	2828145	1978/06/27
2445	P0256AIT	Optical Beam Switching Apparatus	Italy	Granted	1115127	1986/02/03		
2445	P0256AGB	Optical Beam Switching Apparatus	Great Britain	Granted	1599349	1978/05/30		
3321	P0143A	System for Changing Oxidants in a Spectrophotometer	United States	Granted	4,571,172	1986/02/18	06/670,713	1984/11/13
2515	P0257AJP	Phase Synchronization	Japan	Granted	1,711,151	1992/11/11	9524/82	1982/01/26
2515	P0257AGB	Spectroscopic Phase Synchronization Apparatus	Great Britain	Granted	2,092,298	1984/08/22	8131707.6	1981/10/21
2515	P0257A	Phase Synchronization Apparatus	United States	Granted	4,386,852	1983/06/07	06/229,683	1981/01/29
2646	P0258AJP	Method And Apparatus For Determining The Nature Of An Unknow	Japan	Granted	1,670,092	1992/06/12	16753/81	1981/02/06
2646	P0258AGB	Apparatus and Method For Determining The Nature Of An Unknow	Great Britain	Granted	2,070,295	1984/02/01	8103088.4	1981/02/02
2760	P0101AAU	Apparatus Useful For Positioning A Light Filter	Australia	Granted	584,477	1985/12/12	84371/82	1982/06/01
3331	P0144AFR	Solvent Pressurizing & Degassing System	France	Granted	0179349	1989/05/24		
3836	P0260AEP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Europe	Pending			90101324.3	1990/01/23
3331	P0144ADE	Solvent Pressurizing & Degassing System	Germany	Granted	3570527.2	1989/05/24	3570527	1989/05/24
3331	P0144ANL	Solvent Pressurizing & Degassing System	Netherlands	Granted	0179349	1989/05/24		
3331	P0144ACH	Solvent Pressurizing & Degassing System	Switzerland	Granted	0179349	1989/05/24		
3331	P0144AGB	Solvent Pressurizing & Degassing System	Great Britain	Granted	0179349	1989/05/24		
3331	P0144A	Solvent Pressurizing System	United States	Granted	4,541,452	1985/09/17	06/659,374	1984/10/10
60377E	P0260AJP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Japan	Pending	3,053,832	2000/04/07	38543/90	1990/01/16
3365	P0145AEP	Ionization Detectors For Gas Chromatography	Europe	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145AFR	Ionization Detectors For Gas Chromatography	France	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145ADE	Ionization Detectors For Gas Chromatography	Germany	Granted	P3779818.9	1992/06/17	87105713.9	1987/04/16
3365	P0145ANL	Ionization Detectors For Gas Chromatography	Netherlands	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3836	P0260ACA	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Canada	Allowed	2,007,782	2000/10/14	2,007,782	1990/01/15
3365	P0145AIT	Ionization Detectors For Gas Chromatography	Italy	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145AJP	Ionization Detectors For Gas Chromatography	Japan	Granted	2,574,289	1998/10/24		
3365	P0145ASE	Ionization Detectors For Gas Chromatography	Sweden	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145AGB	Ionization Detectors For Gas Chromatography	Great Britain	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145A	Ionization Detectors For Gas Chromatography	United States	Granted	4,873,662	1989/10/17	07/004,810	1987/01/09
4369	P0042AAU	Nebulizer	Australia	Granted	707,363	1999/07/08	25011/95	1995/07/14

3369	P0146AEP	Automatic Optimization Procedure	Europe	Granted	0192201	1992/07/29		
3369	P0146AAU	Automatic Optimization Procedure	Australia	Granted	586,853	1989/07/27	53844/86	1986/02/20
3369	P0146ACA	Automatic Optimization Procedure	Canada	Granted	1,271,342	1990/07/10	500,641	1986/01/31
3369	P0146ADE	Automatic Optimization Procedure	Germany	Granted	3686175.8	1992/07/29		
3369	P0146ANL	Automatic Optimization Procedure	Netherlands	Granted	0192201	1992/07/29		
3369	P0146AIT	Automatic Optimization Procedure	Italy	Granted	0192201	1992/07/29		
3369	P0146AJP	Automatic Optimization Procedure	Japan	Granted	1,911,192	1995/03/09	35408/86	1986/02/21
3369	P0146ACH	Automatic Optimization Procedure	Switzerland	Granted	0192201	1992/07/29		
3369	P0146A	Optimization Apparatus and Procedure	United States	Granted	4,699,754	1987/08/25	06/704,358	1985/02/21
3518	P0199AAU	Atomic Absorption Spectrometer	Australia	Granted	502,261	1989/03/16	60958/86	1986/08/07
3518	P0199AJP	Atomic Absorption Spectrometer	Japan	Granted	2,118,078	1996/12/06		
3518	P0199A	Atomic Absorption Spectrometer	United States	Granted	4,991,960	1991/02/12	06/893,766	1986/08/06
3522	P0200AJP	Gas Control Device For Controlling The Fuel Gas	Japan	Granted	2,016,021	1996/02/19	191787/86	1986/08/18
3377	P0147A	Around The Corner Adjustment Device	United States	Granted	4,669,324	1987/06/02	06/853,253	1986/04/17
3582	P0203A	Burner Assembly for Atomic Absorption Spectrometer	United States	Granted	4,776,694	1988/10/11	06/932,957	1986/11/19
3377	P0147AJP	Electro-Optical Ion Detector For A Scanning Mass Spectromete	Japan					
4041	P0175A	Electro-Optical Ion Detector For A Scanning Mass Spectromete	United States	Granted	5,053,621	1991/10/01	07/616,123	1990/11/19
3808	P0262A	Electrothermal Atomization Furnace For Spectroscopy	United States	Granted	4,917,493	1990/04/17	07/205,888	1988/06/13
3828	P0018A	Synchronization Of Digital Signals With Alternating Current	United States	Granted	4,961,207	1990/10/02	07/389,150	1989/08/02
4014	P0023A	Plunger Homing Mechanism For Use In Chromatography	United States	Granted	5,360,596	1996/11/01	07/504,825	1990/04/05
4070	P0031A	Single Element Thermal Conductivity Detector	United States	Granted	5,265,459	1993/11/30	07/748,588	1991/08/22
4037	P0025A	Circuit For Heating And Sensing With A Single Element	United States	Granted	5,098,196	1992/03/24	07/637,392	1991/01/04
2695	P0261AAU	Optical Coupling Device	Australia	Granted	542,372	1985/02/21	76972/81	1981/10/30
2695	P0261ADE	Optical Coupling Device	Germany	Granted	3175932.7	1987/02/25	3175932	1987/02/25
2695	P0261ACH	Optical Coupling Device	Switzerland	Granted	0051192	1987/02/25		
4045	P0027A	Standardizing And Calibrating A Spectrometric Instrument	United States	Granted	5,303,165	1994/04/12	07/834,448	1992/02/12
4317	P0041A	Hybrid Valving System For Varying Fluid Flow Rate	United States	Granted	5,329,985	1994/07/19	08/100,596	1993/07/30
4382	P0044A	Optical Spectrometer For Detecting Spectra In Separate Range	United States	Granted	5,565,983	1996/10/15	08/451,351	1995/05/26
4369	P0042A	Nebulizer	United States	Granted	5,464,157	1995/11/07	08/276,144	1994/07/18
4371	P0043B	Spark Sampling Microparticle Generator And Method	United States	Granted	5,452,069	1995/09/19	08/137,854	1993/10/15
3984	P0021A	3 Point Bending Measuring System	United States	Granted	4,976,152	1990/12/11	07/435,114	1989/11/13
4015	P0024C	Vial Locator And Sensor	United States	Granted	5,171,530	1992/12/15	07/803,689	1991/12/03
3382	P0084AEP	Integral Separation Capillary/Conductivity Detector	Europe	Granted	0241940	1993/01/27	87105712.1	1987/04/06
3382	P0084AFR	Integral Separation Capillary/Conductivity Detector	France	Granted	0241940	1993/01/27	87105712.1	1987/04/16
3382	P0084ADE	Integral Separation Capillary/Conductivity Detector	Germany	Granted	P3783798.2	1993/01/27	87105712.1	1987/04/16
3382	P0084ANL	Integral Separation Capillary/Conductivity Detector	Netherlands	Granted	0241940	1993/01/27	87105712.1	1987/04/16
3382	P0084AIT	Integral Separation Capillary/Conductivity Detector	Italy	Granted	0241940	1993/01/27	87105712.1	1987/04/16
3382	P0084AJP	Integral Separation Capillary/Conductivity Detector	Japan	Granted	2,735,546	1998/01/09		
3382	P0084ASE	Integral Separation Capillary/Conductivity Detector	Sweden	Granted	0241940	1993/01/27	87105712.1	1987/04/16
3382	P0084AGB	Integral Separation Capillary/Conductivity Detector	Great Britain	Granted	0241940	1993/01/27	87105712.1	1987/04/16
3382	P0084A	Method of Fabricating Capillary Electro. Separation Channels	United States	Granted	4,816,123	1989/03/28	07/051,808	1987/07/06
3401	P0268A	Grasping Finger Position Sensor for a Robot System	United States	Granted	4,682,805	1987/07/28	06/830,163	1986/02/18
3433	P0267A	Power Circuit for Spectral Analysis Gaseous Discharge Lamps	United States	Granted	4,716,342	1987/12/29	06/804,948	1985/12/05
3435	P0268A	Flame Atomic Absorption Spectrophtometer	United States	Granted	4,728,879	1988/02/23	06/835,145	1986/03/03
3436	P0269A	Frictionless Translational Bearing	United States	Granted	4,684,811	1987/08/04	06/855,995	1986/04/25
3471	P0270A	System for Calibrating a Monochromator	United States	Granted	4,779,216	1988/10/18	06/837,438	1986/03/07
3480	P0271A	High Pressure Column Assembly For A Liquid Chromatograph	United States	Granted	4,876,005	1989/10/24	07/281,374	1988/12/08
3480	P0271AEP	High Pressure Column Assembly For A Liquid Chromatograph	Europe	Granted	0328146	1995/09/20	89102368.1	1989/02/10
3480	P0271ADE	High Pressure Column Assembly For A Liquid Chromatograph	Germany	Granted	P68924284.0	1995/09/20	89102368.1	1989/02/10
3480	P0271AGB	High Pressure Column Assembly For A Liquid Chromatograph	Great Britain	Granted	0328146	1995/09/20	89102368.1	1989/02/10
3514	P0272A	Programmable Lamp Plug	United States	Granted	4,670,813	1987/05/02	06/802,924	1985/11/29
	P0273A	Phase Angle Measurement	United States					
	P0273AEP	Phase Angle Measurement	Europe					
	P0273AFR	Phase Angle Measurement	France					
	P0273ADE	Phase Angle Measurement	Germany					
	P0273AIT	Phase Angle Measurement	Italy					

	P0273AJP	Phase Angle Measurement	Japan					
	P0273ACH	Phase Angle Measurement	Switzerland					
	P0273AGB	Phase Angle Measurement	Great Britain					
2515	P0257ADE	Phase Synchronization	Germany					
3048	P0109AEP	Chromatography Column	Europe	Granted	0101982	1988/11/30	83107709	1983/08/04
3578	P0085A	Regulated Deuterium Arc Supply System	United States	Granted	4,742,276	1988/05/03	06/889,536	1986/07/25
3836	P0260A	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	4,994,676	1991/02/19	07/544,798	1990/06/25
3836	P0260AKR	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Korea	Granted	141,585			
2956	P0276ADE	Variable Gain Amplifier	Germany	Granted	3307597	1995/06/29	3307597	1983/03/03
2725	P0095AJP	Apparatus For Reducing Current Leakage From A Resistance	Japan	Granted	1,569,343	1990/07/10	51426/82	1982/03/31
2695	P0261AEP	Optical Coupling Device	Europe	Granted	0051152	1987/02/25	81107880	1981/10/02
2782	P0278AEP	Flowmeter System With Synchronous Clock For Generation Of Ti	Europe	Granted	0056136	1987/09/09	81110555	1981/12/17
2851	P0098AEP	Optical Beam Splitter	Europe	Granted	0059836	1985/03/21	82100648.3	1982/01/28
2873	P0099AEP	Apparatus Useful With A Chromatography Column	Europe	Granted	0075869	1986/10/15	82106509	1982/07/19
2989	P0103AEP	Spectrophotometer	Europe	Granted	0087588	1987/01/07	83100499.9	1983/01/20
2990	P0104AEP	Liquid Level Sensor	Europe	Granted	0128120	1988/06/17	84106228.4	1984/05/30
3007	P0106AEP	Sample Cell Temperature Stabalizer	Europe	Granted	0154792	1989/08/23	85100947.2	1985/01/30
3111	P0114AEP	Pulse Damper	Europe	Granted	0156132	1988/10/05	85101252.6	1985/02/08
3331	P0144AEP	Solvent Pressurizing & Degassing System	Europe	Granted	0179349	1989/05/24	85112742	1985/10/08
2730	P0278AEP	Multi-port Valve In Gas Collection System And Method	Europe	Granted	0185926	1992/09/30	85114718.1	1985/11/19
4086	P0034A	Photometric Instrument With Optical Fibers For Analyzing	United States	Granted	5,428,696	1995/06/27	08/092,162	1993/07/15
4317	P0041AAU	Hybrid valving system for varying fluid flow rate	Australia	Granted	692,773	1998/05/01	68795/94	1994/07/28
4432	P0051B	Thermal Insulating Container For Liquified Gas	United States	Granted	5,655,681	1997/8/12	08/724,432	1996/10/01
4433	P0052A	Connecting Apparatus For Conveyance Of Cyrogenic Fluid	United States	Granted	5,762,381	1998/06/09	08/569,535	1995/12/08
4434	P0053A	Fluid Conveying Device With Removable Connection	United States	Granted	5,716,082	1998/02/10	08/525,975	1995/09/07
4471	P0062A	Mounting Apparatus For Induction Coupled Plasma Torch	United States	Granted	5,925,266	1999/07/20	08/950,775	1997/10/15
4012	P0281ADE		Germany	Granted	4135021		P4135021.9	1991/10/23
3628	P0284AEP	Analysis Of Organic Material	Europe	Granted	0280335	1995/07/26	88102940.9	1988/02/26
3703	P0285AEP	Thermal Conductivity Detector	Europe	Granted	0281966	1994/02/02	88103409.4	1988/03/04
3638	P0286AEP	Inductively Coupled Plasma Torch With Sample Injector	Europe	Granted	0281158	1994/01/12	88103413.6	1988/03/04
3637	P0287AEP	Power System For Inductively Coupled Plasma Torch	Europe	Granted	0281157	1994/06/29	88103403.7	1988/03/04
3684	P0288AEP	Chromatography Column	Europe	Granted	0287922	1993/03/10	88105748.3	1988/04/11
	P0290ADE		Germany	Granted	283691	1990/10/17	3219687	1988/11/18
	P0291AFR		France	Granted	7126944	1972/03/06	7126944	1971/07/13
0645	P0292ADE		Germany	Granted	39540755	1996/04/22	39540755.9	1995/10/06
4589	P0296AEP	Computer Operated Spectrometric Instrument	Europe	Published			99108264.5	1999/04/27
3527	P0297AEP	Low Frequency Signal Processing Circuitry	Europe	Granted	0334303	1994/07/20	89105064.3	1989/03/21
3809	P0300AEP	Monochromator Drift Compensation	Europe	Granted	0344783	1994/03/02	89109948.3	1989/06/01
3772	P0301AEP	Standardization Of Spectral Lines	Europe	Granted	0344782	1993/10/27	89109947.5	1989/06/01
	P0302AEP		Europe					
	P0303AEP		Europe					
	P0304AEP		Europe					
4088	P0307AEP	Method And Apparatus For Comparing Spectra	Europe	Granted	0535700	1997/03/26	92116913.2	1992/10/02
4073	P0308AEP	Apparatus For Differential Analysis Of Sample Dielectric Pro	Europe	Granted	0558972	1993/09/08	93102168.7	1993/02/11
4511	P0069B	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			09/385,248	1999/08/28
4592	P0074B	Monitoring Constituents Of An Animal Organ Using Radiation	United States	Pending			09/385,242	1999/08/28
4063	P0029AJP	Method Of Manufacturing Glass Beads	Japan	Granted	5,256,821		331289/92	1992/11/18
4498	P0067B	Backflushing System For Gas Chromatography	United States	Granted	5,933,357	1999/08/03	08/851,789	1997/05/06
3915	P0317AJP		Japan	Pending			01-508578	1989/07/27
3913	P0318AJP		Japan	Pending			01-508455	1989/07/27
4113	P0319AJP		Japan	Pending			05-260036	1993/09/28
2730	P0279ADE	Multi-port Valve In Gas Collection System And Method	Germany	Granted	P3586715.9	1992/09/30	85114718.1	1985/11/19
3684	P0288ADE	Chromatography Column	Germany	Granted	P3878970.1	1993/03/10	88105748.3	1988/04/11
3772	P0301ADE	Standardization Of Spectral Lines	Germany	Granted	P68910188.0	1993/10/27	89109947.5	1989/06/01
2746	P0320ADE		Germany	Granted	3175277		3175277	1986/09/03
3514	P0272ADE		Germany	Granted	3682749		3682749	1991/12/04

3638	P0286ADE	Inductively Coupled Plasma Torch With Sample Injector	Germany	Granted	P3886962.4	1994/01/12	88103413.6	1988/03/04
3703	P0285ADE	Thermal Conductivity Detector	Germany	Granted	P3887541.1	1994/02/02	88103409.4	1988/03/04
3809	P0300ADE	Monochromator Drift Compensation	Germany	Granted	P68913359.6	1994/03/02	89109948.3	1989/06/01
3837	P0287ADE	Power System For Inductively Coupled Plasma Torch	Germany	Granted	P3850422.7	1994/06/29	88103403.7	1988/03/04
3527	P0297ADE	Low Frequency Signal Processing Circuitry	Germany	Granted	P68916824.1	1994/07/20	89105084.3	1989/03/21
3536	P0298ADE	Detector Cell For Spectrophotometer Used In Liquid Chromatog	Germany	Granted	P68923389	1995/07/12	89105263.1	1989/03/23
4086	P0307ADE	Method And Apparatus For Comparing Spectra	Germany	Granted	P69218536.4	1997/03/26	92110913.2	1992/10/02
4073	P0308ADE	Apparatus For Differential Analysis Of Sample Dielectric Pro	Germany	Granted	69320217	1998/09/17	69320217	1993/02/11
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	P3854209.9	1995/07/26	88102940.9	1988/02/26
4637	P0327A	Zero-Dilution Split Injector Liner For Gas Chromatography	United States	Pending			60/164,209	1999/09/16
4606	P0328A	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			09/443,875	1999/11/19
4607	P0329A	Hybrid Film Type Sensor	United States	Pending			09/444,334	1999/11/19
	D0068A	Enclosure For Analytical Instrumentation	United States	Granted	D412,991	1999/08/17	29/064,998	1997/01/16
4501	P0330A	Detection Of Low Level Analytes In Samples Using Agglutinati	United States	Granted	5,942,442	1999/08/24	08/831,206	1997/04/02
3809	P0300AAU	Monochromator Drift Compensation	Australia	Granted	612,847	1991/07/18	35874/89	1989/06/01
3809	P0300A	Monochromator Drift Compensation	United States	Granted	4,916,645	1990/04/10	07/201,250	1988/06/02
3809	P0300ACA	Monochromator Drift Compensation	Canada	Granted	1,321,486	1993/08/24	601,458	1989/06/01
3828	P0018ADE	Circuit For Synchronizing Digital Signals With Alternating C	Germany	Granted	4,024,459	1991/02/07	P4024459.8	1990/08/01
3828	P0018AGB	Circuit For Synchronizing Digital Signals With Alternate Cur	Great Britain	Granted	2,235,837	1993/06/16	9016503.6	1990/07/27
4015	P0024ADE	Vial Locator And Sensor	Germany	Granted	P69109708.9	1995/05/17	91102281.2	1991/02/18
4015	P0024AEP	Vial Locator And Sensor	Europe	Granted	0444498	1995/05/17	91102281.2	1991/02/18
4015	P0024AAU	Vial Locator And Sensor	Australia	Granted	640,453	1993/06/26	71933/91	1991/02/27
4070	P0031AEP	Single Element Thermal Conductivity Detector	Europe	Granted	0529295	1996/09/02	92112375.8	1992/07/20
4070	P0031ADE	Single Element Thermal Conductivity Detector	Germany	Granted	69226833.2	1998/09/02	92112375.8	1992/07/20
4073	P0308A	Apparatus For Differential Analysis Of Sample Dielectric Pro	United States	Granted	5,309,110	1994/05/03	07/845,994	1992/03/04
2730	P0279AGB		Great Britain	Granted	0185926	1992/09/30	85114718.1	1985/11/19
3536	P0298AGB	Detector Cell For Liquid Chromatography	Great Britain	Granted	0335288	1995/07/12	89105263.1	1989/03/23
3984	P0021AGB	3 Point Bending Measuring System	Great Britain	Granted	0428010	1994/06/01	90120859.5	1990/10/31
4015	P0024AGB	Vial Locator And Sensor	Great Britain	Granted	0444498	1995/05/17	91102281.2	1991/02/18
4045	P0027AGB	Standardizing And Calibrating A Spectrometric Instrument	Great Britain	Granted	0580006	1997/12/10	93100106.9	1993/01/07
4046	P0028AGB	Photodetector Amplitude Linearity	Great Britain	Granted	0552604	1997/04/09	93100102.8	1993/01/07
4063	P0029AGB	Method Of Manufacturing Glass Beads	Great Britain	Granted	2,261,669	1995/06/28	9223599.3	1992/11/11
4073	P0308AGB	Apparatus For Differential Analysis Of Sample Dielectric Pro	Great Britain	Granted	0558972	1998/08/12	93102188.7	1993/02/11
4076	P0033AGB	Absorbance Correction In Atomic Absorption Spectroscopy	Great Britain	Granted	2,262,160	1995/08/02	9223548.0	1992/11/10
4091	P0036AGB	Method For Heating A Thermionic Detector Source	Great Britain	Granted	2,261,534	1995/12/06	9223598.5	1992/11/11
2956	P0276AGB	Variable Gain Amplifier	Great Britain	Granted	2,116,793	1986/01/29	8303666.5	1983/02/10
4056	P0331AGB	Double Beam Detector System For Liquid Chromatography	Great Britain	Granted	0529541	1996/04/17	92114331.9	1992/08/21
4086	P0034ADE	Photometric Instrument With Optical Fibers For Analyzing	Germany	Pending			P4424961.6	1994/07/14
	P0333A	Method For Processing A Sample	United States	Allowed			09/101,819	1998/10/20
	P0333ANL	Method For Processing A Sample	The Netherlands	Pending			1002110	1996/01/17
	P0333AWO	Method For Processing A Sample	PCT	Published			PCT/NL97/00005	1997/01/07
4462	P0326ACA	Detection Of Low Level Hydrophobic Analytes In Samples	Canada	Pending			2,285,282	1998/04/02
4462	P0326AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Europe	Published			98914440.7	
4462	P0326AJP	Detection Of Low Level Hydrophobic Analytes In Samples	Japan	Pending			10-542004	1999/10/04
4462	P0326AAU	Detection Of Low Level Hydrophobic Analytes In Samples	Australia	Published			68796/98	1998/04/02
4501	P0330ACA	Detection Of Low Level Analytes In Samples Using Agglutinati	Canada	Pending			2,285,219	1998/04/02
4501	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutinati	Europe	Published			98914435.7	1998/10/04
4501	P0330AAU	Detection Of Low Level Analytes In Samples Using Agglutinati	Australia	Pending			68793/98	1998/04/02
4501	P0330AJP	Detection Of Low Level Analytes In Samples Using Agglutinati	Japan	Pending			10-541999	1999/10/04
	P0333AEP	Method For Processing A Sample	Europe	Pending			97900480.1	
4462	P0326A	Detection Of Low Level Hydrophobic Analytes In Samples	United States	Granted	5,891,740	1999/04/06	08/832,168	1997/04/02
3729	P0335A	Detector For A Spectrometer	United States	Granted	4,820,048	1989/04/11	07/123,025	1987/11/19
4086	P0034BGB	Photometric Instrument With Optical Fibers For Analyzing	Great Britain	Granted	2,312,044	1998/01/21	9714780.5	1997/07/14
4589	P0296A	Computer Operated Spectrometric Instrument	United States	Allowed			09/300,609	1999/04/27
	P0337A	Method and Apparatus for Iterative Spectral Compensation	United States	Pending			09/503,092	2000/02/11
5002	P0338A	Method And Apparatus For Impurity Detection	United States	Pending			09/561,600	2000/04/27

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4088	P0307AJP	Method And Apparatus For Comparing Spectra	Japan	Granted	5-209826	1993/08/20	4-287034	1992/10/02
4501	P0339B	Detection Of Low Level Analytes In Samples Using Agglutinati	United States	Pending			09/288,513	1999/03/12
	P0339A	Spectroscopic Determination Of The Dissociation Constants	United States	To File				
4649	P0340A	Non-Immunoassay Determination Of Protein-Ligand Interaction	United States	To File				
3808	P0262AAU	Electrothermal Atomization Furnace For Spectroscopy	Australia	Granted	598,940	1990/07/05	18175/88	1988/08/20
4010	P0341A	Optical Switching Device	United States	Granted	5,058,886	1991/10/15	07/603,592	1990/10/25
4063	P0029A	Method Of Manufacturing Glass Beads	United States	Granted	5,198,009	1993/03/30	07/796,497	1991/11/22
4086	P0034B	Photometric Instrument With Optical Fibers For Analyzing	United States	Granted	5,526,451	1996/06/11	08/324,660	1994/10/18
3527	P0297A	Phase Angle Measurement	United States	Granted	4,985,683	1991/01/15	07/173,201	1988/03/24
3527	P0297AFR	Phase Angle Measurement	France	Granted	0334303	1994/07/20	89105064.3	1989/03/21
3527	P0297AIT	Phase Angle Measurement	Italy	Granted	0334303	1989/03/21	89105064.3	1989/03/21
3527	P0297AJP	Phase Angle Measurement	Japan	Granted	1,316,831	1989/12/21	73716/89	1989/03/24
3527	P0297ACH	Phase Angle Measurement	Switzerland	Granted	0334303	1994/07/20	89105064.3	1989/03/21
3527	P0297AGB	Phase Angle Measurement	Great Britain	Granted	0334303	1994/07/20	89105064.3	1989/03/21
3602	P0016B	Line Frequency Slaved Voltage-To-Frequency Converter System	United States	Granted	4,888,573	1989/09/19	07/119,594	1987/11/12
3602	P0016AEP	Line Frequency Slaved Voltage-To-Frequency Converter System	Europe	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3602	P0016AFR	Line Frequency Slaved Voltage-To-Frequency Converter System	France	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3602	P0016ADE	Line Frequency Slaved Voltage-To-Frequency Converter System	Germany	Granted	P3786522.6	1993/07/14	87115917.4	1987/10/29
3602	P0016ANE	Line Frequency Slaved Voltage-To-Frequency Converter System	Netherlands	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3602	P0016ACH	Line Frequency Slaved Voltage-To-Frequency Converter System	Switzerland	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3602	P0016AGB	Line Frequency Slaved Voltage-To-Frequency Converter System	Great Britain	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3628	P0284A	Analysis Of Organic Material	United States	Granted	4,795,614	1989/01/03	07/019,905	1987/02/27
3628	P0284B	Analysis Of Organic Material	United States	Granted	5,044,860	1991/09/03	07/178,713	1988/04/07
3628	P0284C	Analysis Of Organic Material	United States	Granted	5,013,628	1991/05/07	07/218,721	1988/07/13
3628	P0284AIT	Analysis Of Organic Material	Italy	Granted	0280335	1995/07/26	88102940.0	1988/02/26
3703	P0284AJP	Analysis Of Organic Material	Japan	Granted	2,683,011	1997/08/08	42438/88	1988/02/26
3628	P0284BJP	Analysis Of Organic Material	Japan	Granted	2,730,624	1997/12/19	5619/97	1997/01/16
3628	P0284CJP	Analysis Of Organic Material	Japan	Pending			5622/97	1997/01/16
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0280335	1995/07/26	88102940.0	1988/02/26
3637	P0287A	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,818,916	1987/03/06	07/022,838	1987/03/06
3637	P0287AFR	Power System For Inductively Coupled Plasma Torch	France	Granted	0281157	1994/06/29	88103403.7	1988/03/04
3637	P0287AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	2,706,447	1997/10/17	51794/88	1988/03/07
3637	P0287AGB	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0281157	1994/06/29	88103403.7	1988/03/04
3638	P0286A	Inductively Coupled Plasma Torch With Sample Injector	United States	Granted	4,766,287	1988/08/23	07/022,910	1987/03/06
3638	P0286AFR	Inductively Coupled Plasma Torch With Sample Injector	France	Granted	0281158	1994/01/12	88103413.6	1988/03/04
3638	P0286AJP	Inductively Coupled Plasma Torch With Sample Injector	Japan	Granted	2,758,165	1998/03/13	51795/88	1988/03/07
3638	P0286AGB	Inductively Coupled Plasma Torch With Sample Injector	Great Britain	Granted	0281158	1994/01/12	88103413.6	1988/03/04
3684	P0288A	Chromatography Column	United States	Granted	4,872,979	1989/10/10	07/041,554	1987/04/22
3684	P0288AAU	Chromatography Column	Australia	Granted	598,926	1988/04/22	15092/88	1988/04/22
3684	P0288AFR	Chromatography Column	France	Granted	0287922	1993/03/10	88105748.3	1988/04/11
3684	P0288AIT	Chromatography Column	Italy	Granted	0287922	1993/03/10	88105748.3	1988/04/11
3684	P0288AJP	Chromatography Column	Japan	Granted	2,644,269	1997/05/02	96977/88	1988/04/21
3684	P0288AGB	Chromatography Column	Great Britain	Granted	0287922	1993/03/10	88105748.3	1988/04/11
3684	P0288B	Method Of Assembling A Chromatography Column	United States	Granted	4,995,163	1991/02/26	07/389,676	1989/08/25
3703	P0285A	Thermal Conductivity Detector	United States	Granted	4,813,267	1989/03/21	07/022,147	1987/03/05
3703	P0285AIT	Thermal Conductivity Detector	Italy	Granted	0281965	1994/02/02	88103409.4	1988/03/04
3628	P0285AJP	Thermal Conductivity Detector	Japan	Granted	2,683,012	1997/08/08	49955/88	1988/03/04
3703	P0285AGB	Thermal Conductivity Detector	Great Britain	Granted	0281965	1994/02/02	88103409.4	1988/03/04
3729	P0335AEP	Detector For A Spectrometer	Europe	Granted	0316802	1994/04/06	88118828.8	1988/11/11
3729	P0335AAU	Detector For A Spectrometer	Australia	Granted	625,233	1992/10/26	25888/88	1988/11/18
3729	P0335ACA	Detector For A Spectrometer	Canada	Granted	1,321,898	1993/09/07	581,269	1988/10/26
3729	P0335AFR	Detector For A Spectrometer	France	Granted	0316802	1994/04/06	88118828.8	1988/11/11
3729	P0335ADE	Detector For A Spectrometer	Germany	Granted	P3888925.0	1994/04/06	88118828.8	1988/11/11
3729	P0335AIT	Detector For A Spectrometer	Italy	Granted	0316802	1994/04/06	88118828.8	1988/11/11
3729	P0335AJP	Detector For A Spectrometer	Japan	Granted	2,760,818	1998/03/20	290338/88	1988/11/18
3729	P0335AGB	Detector For A Spectrometer	Great Britain	Granted	0316802	1994/04/06	88118828.8	1988/11/11

3729	P0335ANL	Detector For A Spectrometer	Netherlands	Granted	0316802	1994/04/06	88119828.8	1988/11/11
3772	P0301A	Standardization Of Spectral Lines	United States	Granted	4,893,259	1990/01/09	07/201,510	1988/06/02
3772	P0301AAU	Standardization Of Spectral Lines	Australia	Granted	616,524	1991/10/31	35673/89	1989/06/01
3772	P0301ACA	Standardization Of Spectral Lines	Canada	Granted	1,325,629	1993/12/23	601,317	1989/05/31
3772	P0301AFR	Standardization Of Spectral Lines	France	Granted	0344782	1993/10/27	89109947.5	1989/06/01
3772	P0301AIT	Standardization Of Spectral Lines	Italy	Granted	0344782	1993/10/27	89109947.5	1989/06/01
3772	P0301AJP	Standardization Of Spectral Lines	Japan	Granted	02-51031		139395/89	1989/06/02
3772	P0301AGB	Standardization Of Spectral Lines	Great Britain	Granted	0344782	1993/10/27	89109947.5	1989/06/01
3808	P0262AEP	Electrothermal Atomization Furnace For Spectroscopy	Europe	Granted	0295867	1994/03/16	88109582.2	1988/06/16
3808	P0262ADE	Electrothermal Atomization Furnace For Spectroscopy	Germany	Granted	P3888401.1	1994/03/16	88109582.2	1988/06/16
3808	P0262ANL	Electrothermal Atomization Furnace For Spectroscopy	Netherlands	Granted	0295867	1994/03/16	88109582.2	1988/06/16
3808	P0262AJP	Electrothermal Atomization Furnace For Spectroscopy	Japan	Pending			150393/88	1988/06/20
3808	P0262AGB	Electrothermal Atomization Furnace For Spectroscopy	Great Britain	Granted	0295867	1994/03/16	88109582.2	1988/06/16
3809	P0300AFR	Monochromator Drift Compensation	France	Granted	0344783	1994/03/02	89109948.3	1989/06/01
3809	P0300AIT	Monochromator Drift Compensation	Italy	Granted	0344783	1994/03/02	89109948.3	1989/06/01
3809	P0300AGB	Monochromator Drift Compensation	Great Britain	Granted	0344783	1994/03/02	89109948.3	1989/06/01
3809	P0300AJP	Monochromator Drift Compensation	Japan	Pending			139396/89	1989/06/02
4014	P0023AGB	Plunger Homing Mechanism For Use In Chromatography	Great Britain	Granted	2,243,411	1993/08/25	9107026.8	1991/04/04
4015	P0024AFR	Vial Locator And Sensor	France	Granted	0444498	1995/0517	91102281.2	1991/02/18
4015	P0024ANL	Vial Locator And Sensor	Netherlands	Granted	0444498	1995/05/17	91102281.2	1991/02/18
4015	P0024AIT	Vial Locator And Sensor	Italy	Granted	0444498	1995/05/17	91102281.2	1991/02/18
4015	P0024ACH	Vial Locator And Sensor	Switzerland	Granted	0444498	1995/05/17	91102281.2	1991/02/18
4056	P0331A	Double Beam Detector System For Liquid Chromatography	United States	Granted	5,173,742	1992/12/22	07/751,415	1991/08/28
4056	P0331AEP	Double Beam Detector System For Liquid Chromatography	Europe	Granted	0529541	1996/04/17	92114331.9	1992/08/21
4056	P0331ADE	Double Beam Detector System For Liquid Chromatography	Germany	Granted	P69209936.0	1996/04/17	92114331.9	1992/08/21
4056	P0331ANL	Double Beam Detector System For Liquid Chromatography	Netherlands	Granted	0529541	1996/04/17	92114331.9	1992/08/21
4056	P0331AIT	Double Beam Detector System For Liquid Chromatography	Italy	Granted	0529541	1996/04/17	92114331.9	1992/08/21
4056	P0331ACH	Double Beam Detector System For Liquid Chromatography	Switzerland	Granted	0529541	1996/04/17	92114331.9	1992/08/21
4067	P0030ADE	Inductively Coupled Plasma Generator	Germany	Granted	P69301952.2	1996/03/27	93106923.1	1993/04/28
4067	P0030AEP	Inductively Coupled Plasma Generator	Europe	Granted	0568920	1996/03/27	93106923.1	1993/04/28
4067	P0030AFR	Inductively Coupled Plasma Generator	France	Granted	0568920	1996/03/27	93106923.1	1993/04/28
4067	P0030AIT	Inductively Coupled Plasma Generator	Italy	Granted	0568920	1996/03/27	93106923.1	1993/04/28
4067	P0030AGB	Inductively Coupled Plasma Generator	Great Britain	Granted	0568920	1996/03/27	93106923.1	1993/04/28
4088	P0307A	Method And Apparatus For Comparing Spectra	United States	Granted	5,308,982	1994/05/03	07/956,519	1992/10/05
4088	P0307AFR	Method And Apparatus For Comparing Spectra	France	Granted	0535700	1997/03/26	92116913.2	1992/10/02
4088	P0307ANL	Method And Apparatus For Comparing Spectra	Netherlands		0535700	1997/03/26	92116913.2	1992/10/02
4088	P0307ACH	Method And Apparatus For Comparing Spectra	Switzerland	Granted	0535700	1997/03/26	92116913.2	1992/10/02
4088	P0307AGB	Method And Apparatus For Comparing Spectra	Great Britain	Granted	0535700	1997/03/26	92116913.2	1992/10/02
3807	P0008A	Electrothermal Atomization Of Samples	United States	Granted	4,895,443	1990/01/23	07/208,936	1988/06/20
3807	P0008AGB	Electrothermal Atomization Of Samples	Great Britain	Granted	0296480	1992/11/19	88109581.4	1988/06/16
3807	P0008AAU	Electrothermal Atomization Of Samples	Australia	Granted	602,098	1991/02/12	18174/88	1988/06/20
3807	P0008AEP	Electrothermal Atomization Of Samples	Europe	Granted	0296480	1992/11/19	88109581.4	1988/06/16
3807	P0008ADE	Electrothermal Atomization Of Samples	Germany	Granted	P3876018.5	1992/11/19	88109581.4	1988/06/16
3807	P0008ANL	Electrothermal Atomization Of Samples	Netherlands	Granted	0296480	1992/11/19	88109581.4	1988/06/16
3807	P0008AJP	Electrothermal Atomization Of Samples	Japan	Granted	2,633,628	1997/04/25	150392/88	1988/06/20
3536	P0298A	Detector Cell For Liquid Chromatography	United States	Granted	4,886,356	1989/12/12	07/176,524	1988/04/01
3536	P0298AFR	Detector Cell For Liquid Chromatography	France	Granted	0335268	1995/07/12	89105263.1	1989/03/23
3536	P0298AIT	Detector Cell For Liquid Chromatography	Italy	Granted	0335268	1995/07/12	89105263.1	1989/03/23
3536	P0298ANL	Detector Cell For Liquid Chromatography	Netherlands	Granted	0335268	1995/07/12	89105263.1	1989/03/23
3973	P0020A	Quadrupole Mass Filter For Charged Particles	United States	Granted	4,985,826	1991/01/15	07/462,245	1990/01/09
4046	P0028A	Photodetector Amplitude Linearity	United States	Granted	5,229,838	1993/07/20	07/823,631	1992/01/21
4076	P0033A	Absorbance Correction In Atomic Absorption Spectroscopy	United States	Granted	5,315,528	1994/05/24	07/801,990	1991/12/03
4070	P0031AGB	Single Element Thermal Conductivity Detector	Great Britain	Granted	0529295	1998/09/02	92112375.6	1992/07/20
4317	P0041ADE	Hybrid Valving System For Varying Fluid Flow Rate	Germany	Published			94109891.5	1994/06/27
4317	P0041AFR	Hybrid Valving System For Varying Fluid Flow Rate	France	Published			94109891.5	1994/06/27
4317	P0041AGB	Hybrid Valving System For Varying Fluid Flow Rate	Great Britain	Published			94109891.5	1994/06/27

2766	P0097A	Fluid Flow Control Device						
4458	P0059A	Heater Control Circuit	United States	Granted	4,354,932	1982/10/19	06/197,302	1980/10/15
4443	P0056A	Apparatus For Controlling Level Of Cryogenic Liquid	United States	Granted	5,672,289	1997/09/30	08/599,410	1996/01/11
4435	P0054A	Dry Gas Curtain For Cryogenic Surface	United States	Granted	5,671,603	1997/09/30	08/569,436	1995/12/08
4431	P0050A	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	United States	Granted	5,590,537	1997/01/07	08/524,555	1995/09/07
4430	P0049A	Gas Chromatographic System With Controlled Sample Transfer	United States	Granted	5,876,116	1999/03/02	08/569,358	1995/12/08
4411	P0047A	Flow Regulation In Gas Chromatograph	United States	Granted	5,711,786	1998/01/27	08/734,689	1996/10/21
3522	P0200A	Gas Control Device For Controlling The Fuel Gas	United States	Granted	5,545,252	1996/08/13	08/397,707	1995/03/01
4073	P0308AJP	Differential Dielectric Analyzer	United States	Granted	4,681,530	1987/07/21	06/863,770	1986/05/16
3536	P0298AEP	Detector Cell	Japan	Pending			05-064842	1993/03/02
2956	P0276A	Optical Coupling Device	Europe	Granted	0335288	1995/07/12	89105283.1	1989/03/23
2782	P0278A	Flowmeter System With Synchronous Clock For Generation Of Ti	United States	Granted	4,494,212	1985/01/15	06/628,547	1984/07/06
2730	P0279A	Multi-port Valve In Gas Collection System And Method Of Use	United States	Granted	4,345,479	1982/08/24	06/224,783	1981/01/13
3536	P0298AJP	Low Cost Detector Cell	United States	Granted	4,601,211	1986/07/22	06/680,589	1984/12/12
3536	P0298BEP	Detector Cell For Liquid Chromatography	Japan	Granted	2,042,337	1999/12/24	78762/89	1989/03/31
4511	P0069C	Monitoring Constituents Of An Animal Organ Using Statistical	Europe	Published	0626574		94109752.9	1989/03/23
5015	P0343A	Barcode Labeling Of ATO Tubes	United States	Pending			09/479,642	2000/01/07
4479	P0064ACH	Analyzing Spectrometric Data	United States	To File				
4479	P0064ADE	Analyzing Spectrometric Data	Switzerland	Granted	0834725		97117174.9	1997/10/02
4479	P0064AFR	Analyzing Spectrometric Data	Germany		0834725			
4479	P0064AGB	Analyzing Spectrometric Data	France		0834725			
4479	P0064AIT	Analyzing Spectrometric Data	Great Britain		0834725			
4479	P0064ANL	Analyzing Spectrometric Data	Italy		0834725			
	P0344A	Multiplexed Growth And Detection Strategy	Netherlands		0834725			
2730	P0279AJP	Multi-port Valve In Gas Collection System And Method Of Use						
4045	P0027ADE	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted	1,838,829	1994/04/25	276111/85	1985/12/12
4046	P0028ADE	Photodetector Amplitude Linearity	Germany	Granted	0560006		93100106.9	1993/01/07
4076	P0033AAU	Absorbance Correction In Atomic Absorption Spectroscopy	Germany	Granted	P69309504	1997/04/09	93100102.8	1993/01/07
4137	P0039AAU	Grouping Of Spectral Bands For Data Acquisition	Australia	Granted	654,066		29814/92	
4493	P0066AEP	Tunable External Cavity Diode Laser	Australia	Granted	667,614		57573/94	
4642	P0345A	Use Of Hg Lines From Hg Lamp For Wavelength Standardization	Europe	Published			97938051.6	1997/07/28
	P0015AJP	Low Cost Detector Cell	United States	To File				
4641	P0346A	Use Of Ne Lines For ICP Instrument Standardization	Japan	Granted	3,016,789	1999/12/24	78 752/89	1989/12/24
	P0347A	Methods And Apparatus To Improve The Sensitivity	United States	To File				
5000	P0348A	Apparatus And Methods For Bioluminescent Analytical Methods	United States	Pending			60/193,974	2000/03/31
5006	P0349A	Polymeric Sampling Swab	United States	Pending			60/193,519	2000/03/31
	P0350A	Polymeric Reagent Pad						
	P0351A	Sampling Device For Use In Automated Methods						
3824	P0009A	Arc Spray Gun For Coating Confined Areas						
3824	P0009ACA	Arc Spray Gun For Coating Confined Areas	United States	Granted	4,853,513	1989/08/01	07/187,106	1988/04/28
3824	P0009AJP	Arc Spray Gun For Coating Confined Areas	Canada	Granted	1,314,944	1993/03/23	597,286	1989/04/20
3824	P0009AEP	Arc Spray Gun For Coating Confined Areas	Japan	Granted	2-164470	1990/06/25	1-104817	1989/04/26
3824	P0009ACN	Arc Spray Gun For Coating Confined Areas	Europe	Granted	0339650		89107686.1	1989/04/27
3824	P0009ADE	Arc Spray Gun For Coating Confined Areas	China	Granted	1039978			
	P0032AJP		Germany	Granted	68923646		891076B6.1	1989/04/27
5000	P0353A	Paddling Of The Torch Glassware						
3264	P0002A	Digital Gain Controlled Current to Voltage Amplifier	United States	Pending			60/175,988	2000/01/13
	P0326ACH	Detection Of Low Level Hydrophobic Analytes In Samples	United States	Granted	4,669,877	1987/06/02	06/704,388	1985/02/22
	P0326ADE	Detection Of Low Level Hydrophobic Analytes In Samples						
	P0326AFR	Detection Of Low Level Hydrophobic Analytes In Samples						
	P0326AGB	Detection Of Low Level Hydrophobic Analytes In Samples						
	P0326AIT	Detection Of Low Level Hydrophobic Analytes In Samples						
4590	P0073AWO	Autosampler Having Gripper With Shape Memory Metal Actuator						
	P0071B	Autosampler	PCT	Pending			PCT/US00/03756	2000/02/14
	P0045ADE	Nebulizer	United States	Pending			09/518,466	2000/03/03
	P0047BAU	Flow Regulation In Gas Chromatograph	Germany	Pending			695 14 870.2-08	1995/06/22
			Australia	Pending			1757800	2000/02/18

	P0053AIT	Fluid Conveying Device With Removable Connection	Italy	Pending				
	P0053AFR	Fluid Conveying Device With Removable Connection	France	Pending				
	P0053ADE	Fluid Conveying Device With Removable Connection	Germany	Pending				
	P0053ACH	Fluid Conveying Device With Removable Connection	Switzerland	Pending				
4484	P0065AWO	Self Aligning Optical Fiber Terminator	PCT	Pending			PCT/US00/08697	2000/04/01
	P0357A	Non-Contacting Method of Cleaning Surfaces	United States	Granted	4,956,024	1990/09/11	07/391,715	1989/08/07
	P0357ACA	Non-Contacting Method of Cleaning Surfaces	Canada	Granted	1,315,923	1993/04/13	587,985	1989/01/11
	P0357AEP	Non-Contacting Method of Cleaning Surfaces	Europe	Granted	0324435	1989/07/19	89100346.9	1989/01/10
	P0357AJP	Non-Contacting Method of Cleaning Surfaces	Japan	Granted	1,225,125	1989/09/08	892,982	1989/01/11
	P0357ADE	Non-Contacting Method of Cleaning Surfaces	Germany	Granted	68909422	1993/11/04	909,422	1989/01/10
3548	P0358A	Scanning Array Spectrophotometer	United States	Granted	4,798,464	1989/01/17	06/838,858	1986/03/12
	P0359A	Method and Apparatus For Reactionless Rotation	United States	Granted	5,131,611	1992/07/21	891,935	1991/04/26
4369	P0042ADE	Nebulizer	Germany	Granted	693,320		P69514870.2	
4369	P0042AGB	Nebulizer	United Kingdom	Granted	693,320		693,320	
4369	P0042ANL	Nebulizer	Netherlands	Granted	693,320		693,320	
	P0333AAU	Method For Processing A Sample						
4070	P0031AIT	Single Element Thermal Conductivity Detector	Italy	Granted	0529295	1998/09/02	92112375.8	1992/07/20
3480	P0271AJP	High Pressure Column Assembly For A Liquid Chromatograph	Japan	Granted	2,676,979			
	P0360A	Microlithograph Apparatus	United States	Granted	4,952,858	1990/08/28	198,545	1988/05/18
	P0360AEP	Microlithograph Apparatus	Europe	Granted	0342639	1989/11/23	89108854.4	1989/05/17
	P0360AJP	Microlithograph Apparatus	Japan	Granted	2,035,709	1990/02/06	123,023	1989/05/18
	P0360ACA	Microlithograph Apparatus	Canada	Granted	1,304,173	1992/06/23	599,723	1989/05/15
	P0360ADE	Microlithograph Apparatus	Germany	Granted	68926233	1996/02/08	623,233	1989/05/17
5007	P0361A	Design Of A Device For Sampling A Surface To Collect	United States	To File				
5005	P0362A	Polymeric Carrier For Reagents	United States	To File				
5004	P0363A	Low Cost Internal Calibration Standard	United States	To File				
	P0364A	Dual Photodiode Connection Of Background For Bioluminescence						
3518	P0199AGB	Atomic Absorption Spectrometer	Great Britain	Granted	2,180,064			
3522	P0200ADE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	P3870372.9		P3870372.9	
5014	P0365A	Conductive Coating To Eliminate Charge Effects And Reduce	United States	To File				
5011	P0366A	Sani-Check Swab And Swabbing Technique	United States	To File				
5013	P0367A	Dual Photodiode Correction Of Background For Bioluminescence						
5012	P0368A	Sani-Check Detection Of Inhibitory Components	United States	To File				
4137	P0039ADE	Grouping Of Spectral Bands For Data Acquisition	Germany	Pending			694 24 062.6-08	
3526	P0201AGB	Device For Igniting A Flame In An Atomic Absorption Ectromet	Great Britian	Granted	2,180,328	1987/03/25	8621842	1986/09/10
3526	P0201ADE	Device For Igniting A Flame In An Atomic Absorption Ectromet	Germany	Granted	P3532537.2	1987/03/19	P3532537.2	1985/09/12
3522	P0200BDE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	3529547.3			1985/08/17
	P0371A	Method For Measuring Absolute Value Of Thermal Conductivity	United States	Pending			60/210,256	2000/06/08
4499	P0372A	Method Of Detecting Organisms In A Sample	United States	Granted	5,902,722	1999/05/11	08/985,574	1997/12/05
4499	P0372AWO	Method Of Detecting Organisms In A Sample		Pending				
5019	P0376A	RH Compensation By Nafion Coatings Of Electrochemical	United States	To File				
5020	P0377A	Planar Electrochemical Gas Sensor	United States	To File				
5021	P0378A	Electrochemical Gas Sensor With Miniaturized Flow Channels	United States	To File				
5022	P0379A	Calibration-Free Electrochemical Sensor	United States	To File				
	P0380A	Electrochemical Sensor With Dry Nafion						
5024	P0381A	Integrated Electrochemical Gas Generator	United States	To File				
5025	P0382A	Prevention Of Flooding In Thick-Film Electrochemical Sensors	United States	To File				
5026	P0383A	RH Compensation For Electrochemical Sensors With Different	United States	To File				

PATENT
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