

01-09-2001



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PATENT
03141-P0002A WWW

101574699

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignor:	Perkin-Elmer Corporation
Assignee:	Perkin Elmer LLC
Patent No. 4,669,877	Issue Date: June 2, 1987
Title of Application:	Digital Gain Controlled Current to Voltage Amplifier

Box Assignment
Assistant Commissioner for Patents
Washington, DC 20231

Assignment Recordation Form Cover Sheet

Dear Sir:

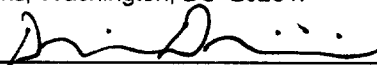
Please record the attached original document.

1. Name of conveying party(ies). Perkin-Elmer Corporation.
2. Name and Address of Receiving Party. Perkin Elmer LLC; 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

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.

December 18, 2000


Danielle Dominici

01/08/2001 STON11 00000283 4669877

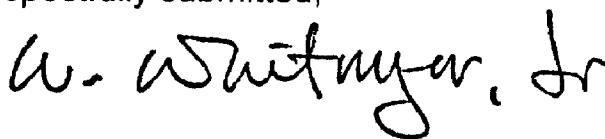
01/08/01

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PATENT
REEL: 011400 FRAME: 0136

5. Patent Number: 4,669,877.
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

County of Fairfield

ss.

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

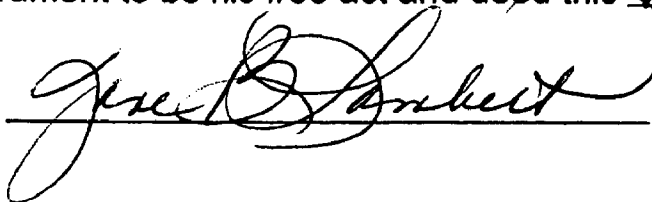


		EXHIBIT A							
Parkin Elmer	Model	Model	Country	Status	Registration Number	Issue Date	Serial Number	File	
No.	Code	Name						Date	
0685	P0003ASE	Automatic Variable Filters For Use In Scanned Spectrometers	Sweden	Pending			11468-6	187308/23	
2103	P0004AJP	Flame Ionization Detector Status Indicator	Japan	Pending			1609-48	187812/28	
2132	P0005AJP	Detector Cell Assembly	Japan	Pending			80305186	188808/423	
2357	P0008AJP	High Resolution Slipping Model Drive	Japan	Pending			279489/87	188711/068	
3602 (MHWKUR06B)	P0016AJP	Ultrasonic Frequency Slaved Voltage-To-Frequency Converter System	Japan	Granted	2,730,577	188712/19	02-205946	189008/02	
3828	P0018AJP	Circuit For Synchronizing Digital Signals	Germany	Granted	3060314	2000/04/26	P3927748.2	188808/22	
3908	P0019AJP	Application Of Keimann Filtering To ICP Spectra	Germany	Pending			P4100046.3	189101/03	
3973	P0020AJP	Quadrupole Mass Filter For Charged Particles	Japan	Granted	3,032,800	2000/02/18	2-304227	188801/113	
3984	P0021AJP	3 Point Bending Measuring System	Germany	Allowed			P4100163.2	189104/03	
4014	P0023AJP	Pumpjet Monitoring Mechanism For Use In Chromatography	Germany	Pending			P4110163.2	189104/03	
4014	P0023AJP	Pumpjet Monitoring Mechanism For Use In Chromatography	Germany	Granted	3,057,300	2000/04/21	3-1326489.1	189104/05	
4015	P0024AJP	Vial Locator And Sensor	Canada	Pending			2,035,916	189102/07	
4035	P0025AJP	Circuit For Heating And Sensing With A Single Element	Japan	Granted	5-104160	189309/30	333027/81	189102/27	
4037	P0025AJP	Circuit For Heating And Sensing With A Single Element	Europe	Granted	0498083		91121135.7	189112/10	
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Canada	Granted	4,310,830		03-345215	189112/28	
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Europe	Pending	560,008		2,087,360	189101/15	
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted	6,082,307		87250178.7	189106/09	
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Korea	Granted	1937/83	2000/03/14	1837/93	189302/12	
4046	P0028AJP	Photodetector Amplifier Linearity	Canada	Pending			2,087,821	189302/12	
4046	P0028AJP	Photodetector Amplifier Linearity	Japan	Granted	6-88745	1884/03/29	05-023171	189302/18	
4067	P0030AJP	Inductively Coupled Plasma Generator	Korea	Granted	247,171	1889/12/10	728/83	189302/18	
4070	P0031AJP	Single Element Thermal Conductivity Detector	Japan	Pending	5-223171	1883/06/01	115168/93	189302/18	
4076	P0033ADE	Absorbance Correction In Atomic Absorption Spectroscopy	Germany	Pending			P4240301.4	1892/08/19	
4091	P0036ADE	Method And Apparatus For Heating A Thermionic Detector Source	Germany	Granted	5-256822	1893/10/08	P4237167.8	1892/11/04	
4126	P0037AJP	Sampling Conditioning Method & Apparatus	Japan	Granted			04-327513	1892/11/13	
4133	P0038ADE	Optical Switching Apparatus With Retroreflector	Germany	Pending			81903888.3		
4137	P0039AJP	Optical Switching Device With Retroreflector	Germany	Pending			18502431.1	189501/26	
4137	P0039AJP	Optical Switching Device With Retroreflector	Japan	Granted	7,287,178		38691785	189502/27	
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Canada	Granted	0815116	2000/04/26	2,115,055	189402/17	
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Europe	Granted	6,500,628		94103598.2	189403/08	
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Japan	Granted			38743184	189404/09	
4137	P0041ACA	Hybrid Valve System For Varying Fluid Flow Rate	Canada	Allowed			2,126,496	189406/22	
4137	P0041AJP	Hybrid Valve System For Varying Fluid Flow Rate	Europe	Granted	0630858	2000/04/27	84109881.5	189406/22	
4137	P0041AJP	Hybrid Valve System For Varying Fluid Flow Rate	Japan	Granted	7,078,032		177022594	189407/28	
4369	P0042AJP	Nebulizer	Europe	Published	0893320		85108758.9	189506/22	
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Ranges	Japan	Pending			1803046.5	189507/17	
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Ranges	Austria	Granted	710,793	1986/05/24	52405106	189606/24	
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Ranges	Europe	Pending	0744599		96107288.1	189606/24	
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Ranges	Japan	Pending			13214356	189606/27	
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0783196		95821345.5	189505/22	
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0803061		85821344.8	189505/22	
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending			8500887	1896/1/29	
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending			8500887	1896/1/29	
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Australia	Granted	710,068	2000/07/20	34315935	1895/10/18	
4382	P0048AJP	Spectrometer With Selectable Radiation From Light Source	Europe	Pending	0708324		95115662.9	1895/10/18	
4382	P0048AJP	Spectrometer With Selectable Radiation From Light Source	Europe	Pending			27101705	1895/10/18	
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Australia	Allowed			45801196	189602/28	
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Canada	Pending			2,170,080	189602/22	
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Europe	Pending	0730151		86103188.7	189603/01	

4411	P0047AJP	Flow Regulation In Gas Chromatograph	Japan	Pending	08515/2	4535196	1996/03/01
4427	P0048AEP	Solid State Inductively Coupled Plasma Generator	Europe	Pending	08515/2	9712104.5	1997/12/12
4427	P0049AJP	Solid State Inductively Coupled Plasma Generator	Japan	Published		10000481	1998/01/05
4430	P0049AEP	Gas Chromatographic System With Controlled Sample Transfer	Europe	Pending	0770A89	96117016.4	1996/10/23
4430	P0049AJP	Gas Chromatographic System With Controlled Sample Transfer	Japan	Pending		281138196	1996/10/23
4431	P0050AEP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Europe	Granted	0774483	1997/06/11	1996/12/03
4431	P0050AJP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Japan	Granted	9.176.577	1997/07/11	1996/12/03
4432	P0051AEP	Thermal Insulating Container For Liquid Gas	Europe	Published		96113491.3	1996/09/22
4432	P0051AJP	Thermal Insulating Container For Liquid Gas	Japan	Pending		236894496	1996/09/06
4433	P0052AEP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Europe	Pending	0774439	96119346.1	1996/12/03
4433	P0052AJP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Japan	Pending		328654496	1996/12/03
4434	P0053AEP	Fluid Conveying Device With Removable Connection	Europe	Published	0762033	96113490.5	1996/10/22
4434	P0053AJP	Fluid Conveying Device With Removable Connection	Japan	Pending		236894496	1996/09/06
4435	P0054AEP	Dry Gas Curtain For Cryogenic Surface	Europe	Pending	0762094	961108496.2	1996/07/04
4435	P0054AJP	Dry Gas Curtain For Cryogenic Surface	Japan	Pending		234440096	1996/07/04
4440	P0055AEP	Standardizing A Spectrometric Instrument	Europe	Pending		97122558.6	1997/12/19
4440	P0055AJP	Standardizing A Spectrometric Instrument	Japan	Pending		35355097	1997/12/22
4443	P0056AEP	Apparatus For Controlling Level Of Cryogenic Liquid	Europe	Granted	6.049.762	08/993.482	1997/12/18
4443	P0056AJP	Apparatus For Controlling Level Of Cryogenic Liquid	Japan	Pending		961180246.9	1996/12/03
4443	P0056AJP	Apparatus For Controlling Level Of Cryogenic Liquid	Japan	Pending		3289.1696	1996/12/03
4456	P0057AEP	Standardizing Between Analytical Instruments	Europe	Pending	0651219	97122551.1	1997/12/19
4456	P0057AJP	Standardizing Between Analytical Instruments	Japan	Pending		35374997	1997/12/19
4457	P0058AEP	Standardizing Of Chromatographic Systems	Europe	Pending	0678712	08/993.488	1997/12/18
4457	P0058AJP	Standardizing Of Chromatographic Systems	Japan	Pending		98109041.6	1996/07/18
4457	P0058AJP	Standardizing Of Chromatographic Systems	Japan	Granted	5.358.246	08/079.080	1996/05/14
4458	P0059AEP	Heater Control Circuit	Europe	Pending		1082297	1997/01/04
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		28363099	1998/10/15
4472	P0063AEP	Ion Detector, Detector Array And Instrument Using Same	Europe	Pending	0898764	97920359.3	1998/10/20
4472	P0063AJP	Ion Detector, Detector Array And Instrument Using Same	Japan	Pending		9-637249	1998/10/20
4479	P0064AEP	Analyzing Spectrometric Data	Europe	Pending	0834725	87117174.9	1997/10/02
4479	P0064AJP	Analyzing Spectrometric Data	Japan	Pending		27105097	1997/10/02
4479	P0064AJP	Analyzing Spectrometric Data	Japan	Pending		6.079.115	2000/01/22
4484	P0065A	Self Applying Optical Fiber Terminator	United States	Granted		08/940.576	1997/09/30
4484	P0065AJP	Self Applying Optical Fiber Terminator	United States	Pending		09/285.282	1998/04/02
4493	P0066AEP	Tunable External Cavity Diode Laser	Australia	Pending		4046997	1997/07/28
4493	P0066AJP	Tunable External Cavity Diode Laser	Canada	Pending		2.261.036	1997/07/28
4493	P0066AJP	Tunable External Cavity Diode Laser	Japan	Pending		10306031	1998/01/26
4498	P0067AEP	Backfilling System For Gas Chromatography	Europe	Pending	0829717	97115653.4	1997/09/09
4498	P0067AJP	Backfilling System For Gas Chromatography	Japan	Pending		25087787	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		105122298	1998/04/15
4538	P0071A	Autosampler	United States	Pending		60/122.992	1999/03/05
4580	P0073A	Autosampler Having Gripper With Shape Memory Metal Actuator	United States	Pending		087250.063	1998/02/12
4076	P0079AJP	Absorbance Correction In Atomic Absorption Spectroscopy	Japan	Granted	5.240.764	087250.063	1998/02/12
3578	P0085AEP	Computer Control Cable Multi-Port Valve	Europe	Granted	1.361.134	04-346133	1992/12/02
4345	P0085AJP	Regulated Deuterium Arc System Supply	Europe	Granted	0254326		
4345	P0085AJP	Regulated Deuterium Arc System Supply	Europe	Granted		87110776.1	1987/07/24
4345	P0085AJP	Regulated Deuterium Arc System Supply	Europe	Granted		09/265.762	1989/04/23
3944	P0021AEP	Apparatus And Method For Differential Analysis Using Signals	United States	Pending	6.548.387	08/262.687	1994/06/01
4133	P0030A	3 Port Bending Measuring System	Europe	Granted	0428010	90120859.5	1990/10/31
4137	P0030A	Optical Switching Apparatus With Retroreflector	United States	Granted	5.481.631	1996/01/02	1994/02/25
2495	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	United States	Granted	5.412.468	08/028.515	1993/03/09
3568	P0091A	Automated Temperature Calibration Of Thermal Analyzers	Japan	Pending		22320/40	1980/02/26
4086	P0091A	Deposited Glass Elements	United States	Granted			
4472	P0061AEP	Photometric Instrument With Optical Fibers For Analyzing Ion Detector, Detector Array And Instrument Using Same	Great Britain	Published	2.240.026	1988/01/21	1984/06/20
4472	P0061AJP	Photometric Instrument With Optical Fibers For Analyzing Ion Detector, Detector Array And Instrument Using Same	PCT	Published		9412352.6	1997/04/11

4472	P0063A	Ion Detector, Detector Array And Instrument Using Same	United States	Pending			09/18/97	1999/11/03
4483	P0066B	Tunable External Cavity Diode Laser	United States	Pending			09/22/90	1999/01/26
2714	P0062AEP	Solvent Delivery System	Europe	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0062AFR	Solvent Delivery System	France	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0063ADE	Solvent Delivery System	Germany	Granted	P327/832.2	1984/04/13	82111717.3	1982/12/17
2714	P0063AUL	Solvent Delivery System	Netherlands	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0063AAT	Solvent Delivery System	Italy	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0063AJP	Solvent Delivery System	Japan	Granted	1,764,707	1984/04/13	82111717.3	1982/12/17
2714	P0063ASE	Solvent Delivery System	Sweden	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0063ACH	Solvent Delivery System	Switzerland	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0063AGB	Solvent Delivery System	Great Britain	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0063A	Solvent Delivery System	United States	Granted	4,556,367	1984/04/13	82111717.3	1982/12/17
2765	P0064FR	Spectrophotometer Gas Control System	France	Granted	0085204	1987/04/16	06/632,758	1984/07/20
2766	P0067AGB	Fluid Flow Control Device	Great Britain	Granted	2,085,614	1984/04/13	8125883.1	1981/08/25
2851	P0068ADE	Optical Beam Splitter	Germany	Granted	P326/483.6	1985/08/21	82100648.3	1982/01/29
2851	P0068AJP	Optical Beam Splitter	Japan	Granted	1,782,016	1983/10/14	341158.2	1982/03/02
2851	P0068ACH	Optical Beam Splitter	Switzerland	Granted	0058936	1985/08/21	82100648.3	1982/01/29
2851	P0068AGB	Optical Beam Splitter	Great Britain	Granted	0058936	1985/08/21	82100648.3	1982/01/29
2851	P0068A	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	P327/3842.0	1986/10/15	82106509.1	1982/07/17
2873	P0099AGH	Apparatus Useful With A Chromatography Column	Switzerland	Granted	0076688	1986/10/15	82106509.1	1982/07/17
2873	P0099AGB	Apparatus Useful With A Chromatography Column	Great Britain	Granted	0076688	1986/10/15	82106509.1	1982/07/17
2772	P0100ADE	Apparatus And Method Useful For Analyzing Refractory Substances	Germany	Granted	3,203,580	1983/05/13	3205580	1982/02/17
2772	P0100AJP	Apparatus Useful For Analyzing Refractory Substances	Japan	Granted	1,076,561	1982/05/26	2218278.2	1982/02/16
2772	P0100A	Apparatus Useful For Analyzing Refractory Substances	United States	Granted	4,400,354	1983/08/23	06/235,781	1981/07/19
2876	P0102AEP	Control Circuit For Liquid Chromatograph	United States	Granted	4,419,575	1983/12/06	06/239,305	1981/06/02
2876	P0102AFR	Control Circuit For Liquid Chromatograph	Europe	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102ADE	Control Circuit For Liquid Chromatograph	France	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102AJP	Control Circuit For Liquid Chromatograph	Germany	Granted	P327/7648.9	1987/11/11	82111720.7	1982/12/17
2876	P0102A	Control Circuit For Liquid Chromatograph	Italy	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102ASE	Control Circuit For Liquid Chromatograph	Sweden	Granted	1,755,762	1983/04/23	10867783	1983/01/27
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	08/343,805	1982/10/12
2876	P0102AFR	Control Circuit For Liquid Chromatograph	France	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102AJP	Control Circuit For Liquid Chromatograph	Germany	Granted	0085172	1987/11/11	82111720.7	1982/12/17
2876	P0102A	Control Circuit For Liquid Chromatograph	Italy	Granted	0085172	1987/11/11	82111720.7	1982/12/17
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	4,464,051	1984/04/07	06/734,254	1982/10/30
2876	P0102AFR	Control Circuit For Liquid Chromatograph	France	Granted	0129120	1984/04/07	84106528.4	1984/05/30
2876	P0102AJP	Control Circuit For Liquid Chromatograph	Germany	Granted	P341/3509.7	1984/04/07	84106528.4	1984/05/30
2876	P0102A	Control Circuit For Liquid Chromatograph	Italy	Granted	0129120	1984/04/07	84106528.4	1984/05/30
2876	P0102ASE	Control Circuit For Liquid Chromatograph	Sweden	Granted	0129120	1984/04/07	84106528.4	1984/05/30
2876	P0102ACH	Control Circuit For Liquid Chromatograph	Switzerland	Granted	0129120	1984/04/07	84106528.4	1984/05/30
2876	P0102AGB	Control Circuit For Liquid Chromatograph	Great Britain	Granted	0129120	1984/04/07	84106528.4	1984/05/30
2876	P0102A	Control Circuit For Liquid Chromatograph	United States	Granted	4,532,799	1985/08/06	06/506,232	1983/06/17
2876	P0102AFR	Control Circuit For Liquid Chromatograph	France	Granted	4,417,108	1983/11/22	06/344,247	1982/01/28
2876	P0102AJP	Control Circuit For Liquid Chromatograph	Germany	Granted	3672537.0	1986/08/23	3572537	1986/08/23
2876	P0102A	Control Circuit For Liquid Chromatograph	Italy	Granted	1,928,835	1985/05/12	18814485	1985/02/04
2876	P0102ASE	Control Circuit For Liquid Chromatograph	Sweden	Granted	0154792	1989/08/23	85100947.2	1985/11/30
2876	P0102ACH	Control Circuit For Liquid Chromatograph	Switzerland	Granted	0154792	1989/08/23	85100947.2	1985/11/30
2876	P0102AGB	Control Circuit For Liquid Chromatograph	Great Britain	Granted	0154792	1989/08/23	85100947.2	1985/11/30
2876	P0102A	Control Circuit For Liquid Chromatograph	United States	Granted	4,598,765	1986/07/08	06/576,565	1984/08/28
2876	P0102AFR	Control Circuit For Liquid Chromatograph	France	Granted	561,564	1987/05/14	1848483	1987/08/24
2876	P0102AJP	Control Circuit For Liquid Chromatograph	Germany	Granted	P337/8594.5	1984/11/20	83107709.4	1983/08/04
2876	P0102A	Control Circuit For Liquid Chromatograph	Italy	Granted	0101982	1984/11/20	83107709.4	1983/08/04
2876	P0102ASE	Control Circuit For Liquid Chromatograph	Sweden	Granted	0101982	1984/11/20	83107709.4	1983/08/04
2876	P0102ACH	Control Circuit For Liquid Chromatograph	Switzerland	Granted	0101982	1984/11/20	83107709.4	1983/08/04
2876	P0102AGB	Control Circuit For Liquid Chromatograph	Great Britain	Granted	0101982	1984/11/20	83107709.4	1983/08/04
2876	P0102A	Control Circuit For Liquid Chromatograph	United States	Granted	0133226	1988/09/30	8418028.6	1984/11/79

3061	P0110ABE	Sip Clutch Assembly	Belgium	Granted	0.133,226	1988/09/30	84108028.6	1984/7/9
3061	P0110AFR	Sip Clutch Assembly	France	Granted	0133226	1988/09/30	84108028.6	1984/7/9
3061	P0110ADE	Coupler Mechanism	Germany	Granted	3470198.0	1988/09/30	84108028.6	1984/7/9
3061	P0110ANL	Sip Clutch Assembly	Netherlands	Granted	0133226	1988/09/30	84108028.6	1984/7/9
3061	P0110ANT	Sip Clutch Assembly	Italy	Granted	0133226	1988/09/30	84108028.6	1984/7/9
3061	P0110ACH	Sip Clutch Assembly	Switzerland	Granted	0133226	1988/09/30	84108028.6	1984/7/9
3061	P0110A	Sip Clutch Assembly	United States	Granted	4,560,050	1988/09/30	84108028.6	1984/7/9
3076	P0111AEP	Spectrophotometer	Europe	Granted	0135761	1989/10/05	84109506.0	1984/08/09
3076	P0111ABE	Spectrophotometer	Belgium	Granted	0135761	1989/10/05	84109506.0	1984/08/09
3076	P0111AFR	Spectrophotometer	France	Granted	0135761	1989/10/05	84109506.0	1984/08/09
3076	P0111ADE	Optical Design Of Fourier Transform Spectrophotometer	Germany	Granted	P,348,068.8	1989/10/05	84109506.0	1984/08/09
3076	P0111ANL	Spectrophotometer	Netherlands	Granted	0135761	1989/10/05	84109506.0	1984/08/09
3076	P0111AT	Spectrophotometer	Italy	Granted	0135761	1989/10/05	84109506.0	1984/08/09
3076	P0111AF	Optical Design Of Fourier Transform Spectrophotometer	Japan	Granted	1,900,723	1989/11/12	84109506.0	1984/08/09
3076	P0111AJP	Spectrophotometer	Switzerland	Granted	0135761	1989/10/05	84109506.0	1984/08/09
3076	P0111ACH	Spectrophotometer	Great Britain	Granted	0135761	1989/10/05	84109506.0	1984/08/09
3076	P0111ACB	Spectrophotometer	United States	Granted	4,740,082	1988/04/26	84109506.0	1984/08/09
3101	P0111A	Solvent Pressurizing System	United States	Granted	4,448,684	1988/05/15	84109506.0	1984/08/09
3109	P0111A	Liquid Chromatography Controller	United States	Granted	4,510,935	1988/10/21	84109506.0	1984/08/09
3111	P01114A	Pulse Damper	United States	Granted	4,548,713	1988/10/22	84109506.0	1984/08/09
3111	P01114ADE	RTV Pulse Damper	Germany	Granted	3585428.5	1988/10/05	3585429	1984/10/05
3111	P01114AJP	RTV Pulse Damper	Japan	Granted				
3111	P01114ASE	Pulse Damper	Sweden	Granted	0156132	1988/10/05	85101262.6	1985/02/06
3111	P01114ACH	Pulse Damper	Switzerland	Granted	0156132	1988/10/05	85101262.6	1985/02/06
3111	P01114ACB	Pulse Damper	Great Britain	Granted	0156132	1988/10/05	85101262.6	1985/02/06
3138	P0116AAU	Holder Assembly For Reaction Tubes	Australia	Allowed	706,769	1989/08/24	3288195	1985/08/27
3139	P0117AAU	KCP Bad Plasma Detector	Australia	Allowed	705,036	1989/08/24	3288195	1985/08/27
3135	P0115AEP	Instantaneous Reading Multichannel Polychromatic Spectrophot	Europe	Granted	0192200	1994/03/06	86101901.6	1986/02/14
3135	P0115AFR	Instantaneous Reading Multichannel Polychromatic Spectrophot	France	Granted	0192200	1994/03/06	86101901.6	1986/02/14
3135	P0115ADE	A Novel Array Spectrometer	Germany	Granted	3650491.2	1986/03/06	3650491	1986/03/06
3135	P0115ANL	Instantaneous Reading Multichannel Polychromatic Spectrophot	Netherlands	Granted	0192200	1994/03/06	86101901.6	1986/02/14
3135	P0115AJP	A Novel Array Spectrometer	Japan	Granted	2,602,809	1993/01/29		
3135	P0115ACH	Instantaneous Reading Multichannel Polychromatic Spectrophot	Switzerland	Granted	0192200	1994/03/06	86101901.6	1986/02/14
3135	P0115ACB	Instantaneous Reading Multichannel Polychromatic Spectrophot	Great Britain	Granted	0192200	1994/03/06	86101901.6	1986/02/14
3138	P0116ADE	Holder Assembly For Reaction Tubes	United States	Granted	4,678,917	1987/07/07	867003260	1985/02/19
3138	P0116AJP	Holder Assembly For Reaction Tubes	Germany	Granted	3407085	1984/12/22	3407085	1984/12/27
3138	P0116A	Holder Assembly For Reaction Tubes	Japan	Granted	1,919,140	1985/04/07	3546864	1984/07/03
3139	P0117A	Apparatus For Monitoring A Plasma Torch	United States	Granted	5,032,283	1991/07/16	86782017	1984/07/03
3142	P0118AEP	An Apparatus And Method For Optimizing Separation Of An Unkn	United States	Granted	4,640,827	1987/02/03	85110513.0	1985/08/21
3142	P0118AFR	An Apparatus And Method For Optimizing Separation Of An Unkn	Europe	Granted	0175925	1982/09/30	85110513.0	1985/08/21
3142	P0118ADE	An Apparatus And Method For Optimizing The Separation Of An	France	Granted	0175925	1982/09/30	85110513.0	1985/08/21
3142	P0118ANL	An Apparatus And Method For Optimizing The Separation Of An	Germany	Granted	P3586705.1	1982/09/30	85110513.0	1985/08/21
3142	P0118AJ	An Apparatus And Method For Optimizing Separation Of An Unkn	Netherlands	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118ACH	An Apparatus And Method For Optimizing Separation Of An Unkn	Japan	Granted	2,075,811	1996/07/25		
3142	P0118ACB	An Apparatus And Method For Optimizing Separation Of An Unkn	Switzerland	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118A	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	4,578,663	1988/04/01	86653256	1984/08/21
3162	P0120A	Light Detector Apparatus	United States	Granted				
3163	P0121A	Sample Cell Temperature Stabilizer	United States	Granted	5,073,345	1991/12/17	86753370	1985/07/09
3173	P0123AEP	Compensator Plate Adjustment For Beam Splitter	Europe	Granted	4,589,477	1988/05/20	86576660	1984/02/03
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	P3483982.5	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	P0123AJ	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	12,131,945	1986/04/12	84109507.8	1984/08/09
3173	P0123ACH	Compensator Plate Adjustment For Beam Splitter	Switzerland	Granted	0137206	1981/01/23	84109507.8	1984/08/09
3173	P0123AGB	Compensator Plate Adjustment For Beam Splitter	Great Britain	Granted	0137206	1981/01/23	84109507.8	1984/08/09
3175	P0123A	Assembly For Adjusting An Optical Element	United States	Granted	4,735,505	1986/04/05	08/627,895	1983/04/20
3175	P0123ABE	Purge Shutter Mechanism	Belgium	Granted	0,144,539	1986/04/08		
3175	P0123ADE	Purge Shutter Mechanism	Germany	Granted	347831.3	1986/04/08		
3175	P0123ANDL	Purge Shutter Mechanism	Netherlands	Granted	0144539	1986/04/08		
3175	P0123ANT	Purge Shutter Mechanism	Italy	Granted	0144539	1986/04/08		
3175	P0123AJP	Purge Shutter Mechanism	Japan	Granted	1,772,551	1986/07/14		
3175	P0123ACH	Purge Shutter Mechanism	Switzerland	Granted	0144539	1986/08/09		
3175	P0123A	Purge Shutter Mechanism	United States	Granted	4,603,835	1986/04/05	08/649,892	1983/11/09
3178	P0125AEP	Digital Control For Rapid Reti Of A Liquid Chromatograph	Europe	Granted	0194450	1991/01/23	85101823	1986/02/07
3178	P0125AFR	Digital Control For Rapid Reti Of A Liquid Chromatograph	France	Granted	0194450	1991/01/23		
3178	P0125ADE	Digital Control For Rapid Reti Of A Liquid Chromatograph P	Germany	Granted	0194450	1991/01/23		
3178	P0125ANL	Digital Control For Rapid Reti Of A Liquid Chromatograph P	Netherlands	Granted	3677079.8	1991/01/23	3677029	1991/01/23
3178	P0125ANT	Digital Control For Rapid Reti Of A Liquid Chromatograph	Italy	Granted	0194450	1991/01/23		
3178	P0125AJP	Digital Control For Rapid Reti Of A Liquid Chromatograph	Japan	Granted	1,979,685	1991/01/23		
3178	P0125ASE	Digital Control For Rapid Reti Of A Liquid Chromatograph	Sweden	Granted	0194450	1991/01/23		
3178	P0125ACH	Digital Control For Rapid Reti Of A Liquid Chromatograph P	Switzerland	Granted	0194450	1991/01/23		
3178	P0125AGB	Digital Control For Rapid Reti Of A Liquid Chromatograph P	Great Britain	Granted	0194450	1991/01/23		
3178	P0125A	Digital Control For Rapid Reti Of A Liquid Chromatograph P	United States	Granted	0194450	1991/01/23		
3196	P0126AEP	Interferometer Mirror Adjustment	Europe	Granted	4,643,649	1987/02/17	06700,765	1986/02/11
3196	P0126AFR	Interferometer Mirror Adjustment	France	Granted	0158173	1989/11/02	85103202	1986/03/19
3196	P0126ADE	Interferometer Mirror Adjustment	Germany	Granted	P3574059.0	1989/11/02		
3196	P0126AJP	Interferometer Mirror Adjustment	Japan	Granted	1,976,654	1989/08/30		
3196	P0126AGB	Interferometer Mirror Adjustment	Great Britain	Granted	0158173	1989/11/02		
3196	P0126A	Interferometer Mirror Adjustment	United States	Granted	4,621,899	1986/11/11	06/598,768	1984/08/08
3213	P0128AEP	Micro Argon Detector	Europe	Granted	0184882	1992/08/19	85305196.8	1985/07/22
3213	P0128AFR	Micro Argon Detector	France	Granted	0184882	1992/08/19	85305196.8	1985/07/22
3213	P0128ADE	Micro Argon Detector	Germany	Granted	P3566529.6	1992/08/19	85305196.8	1985/07/22
3213	P0128ANL	Micro Argon Detector	Netherlands	Granted	0184882	1992/08/19	85305196.8	1985/07/22
3213	P0128AJP	Micro Argon Detector	Japan	Granted	1,898,496	1992/08/19	85305196.8	1985/07/22
3213	P0128ACH	Micro Argon Detector	Switzerland	Granted	0184882	1992/08/19	85305196.8	1985/07/22
3213	P0128AGB	Micro Argon Detector	Great Britain	Granted	0184882	1992/08/19	85305196.8	1985/07/22
3213	P0128A	Micro Argon Detector	United States	Granted	4,740,895	1988/04/26	06707,663	1984/07/15
3234	P0129A	Apparatus For Controlling A Plasma	Europe	Granted	4,609,810	1986/08/02	06/624,313	1984/04/26
3235	P0130AEP	Liquid Chromatographic Cartridge Column System	Europe	Granted	0161493	1992/05/20	84104441.2	1985/04/12
3235	P0130AFR	Liquid Chromatographic Cartridge Column System	France	Granted	0161493	1992/05/20	85104441.2	1985/04/12
3235	P0130ADE	Liquid Chromatographic Cartridge Column System	Germany	Granted	P3566068.6	1992/05/20	85104441.2	1985/04/12
3235	P0130ANL	Liquid Chromatographic Cartridge Column System	Netherlands	Granted	0161493	1992/05/20	85104441.2	1985/04/12
3235	P0130AJP	Liquid Chromatographic Cartridge Column System	Japan	Granted	2,614,045	1992/05/27	1589594	1985/05/07
3235	P0130ACH	Liquid Chromatographic Cartridge Column System	Switzerland	Granted	0161493	1992/05/20	85104441.2	1985/04/12
3235	P0130AGB	Liquid Chromatographic Cartridge Column System	Great Britain	Granted	0161493	1992/05/20	85104441.2	1985/04/12
3235	P0130A	Liquid Chromatographic Cartridge Column System	United States	Granted	4,587,014	1986/05/06	06/607,878	1984/05/07
3236	P024AEP	Polychromator For Multi-Element Analysis	Europe	Granted	02282043	1986/10/20		
3236	P0131AEP	Dual Servo Impedance Matching System For Icp Spectroscopy	Europe	Granted	0155496	1991/01/02	85101457	1985/02/11
3236	P024A	Polychromator For Multi-Element Analysis	United States	Granted	4,785,257	1986/01/03	07/024,237	1987/03/10
3238	P0131AFR	Dual Servo Impedance Matching System For Icp Spectroscopy	France	Granted	0155496	1991/01/02		
3238	P0131ADE	Dual Servo Impedance Matching System For Icp Spectroscopy	Germany	Granted	P35660931.4	1991/01/02	3580891	1989/10/20
3238	P0131ANT	Dual Servo Impedance Matching System For Icp Spectroscopy	Italy	Granted	0155496	1991/01/02		
3238	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	Japan	Granted	2,111,789	1986/10/22	6189093	1985/02/28
3238	P024A	Section Grating Generator	United States	Granted	5,108,187	1992/04/28	07/722,393	1989/10/6/19
3238	P0131AGB	Dual Servo Impedance Matching System For Icp Spectroscopy	Great Britain	Granted	0155496	1991/01/02		
3238	P0131A	Plasma Emission Source	United States	Granted	4,629,940	1986/12/16		
4314	P0245AEP	Correction Of Spectra For Gray Radiation	Europe	Granted	0058751	1986/08/05	06/585,607	1984/03/02
4314	P0245AFR	Correction Of Spectra For Gray Radiation	France	Granted	0058751	1986/08/05		

4314	P0245AD	Correction Of Spectra For Story Radiation	Germany	Granted	8541222.1	1989/04/05		
3258	P0132AEP	Multiple Streams Sampling System	Europe	Granted	0154186	1991/08/25		
4314	P0245AIP	Correction Of Spectra For Story Radiation	Japan	Pending				
3258	P0132ADE	Multiple Streams Sampling System	Germany	Granted	3258475.3	1991/08/25		
4314	P0245AGE	Correction Of Spectra For Story Radiation	Sweden	Granted	0134186	1991/08/25		
3258	P0245AGB	Correction Of Spectra For Story Radiation	Great Britain	Granted	0658751	1989/02/05		
4314	P0132ACH	Multiple Streams Sampling System	Switzerland	Granted	0154186	1991/08/25		
3258	P0245A	Correction Of Spectra For Story Radiation	United States	Granted	5,428,558	1995/08/27		
3258	P0132A	Apparatus For Periodically Monitoring Composition Of Samples	United States	Granted	4,678,639	1987/07/07		
3282	P0134A	Synchronous Wavelength Drive And Data Acquisition Conversion	United States	Granted	4,660,977	1987/04/28		
3282	P0135A	Safety Apparatus For An Atomic Absorption Spectro Burner	United States	Granted	4,668,267	1986/02/04		
3286	P0137A	Self-Spurting Lampholder	United States	Granted	4,597,034	1986/08/24		
3307	P0138AEP	Programmed Temperature Control Of A Thermal System	Europe	Granted	0184203	1991/12/04		
3307	P0138AFR	Programmed Temperature Control Of A Thermal System	France	Granted	0184203	1991/12/04		
3307	P0138ADE	Programmed Temperature Control Of A Thermal System	Germany	Granted	P3584824.3	1991/12/04		
3307	P0138ANL	Programmed Temperature Control Of A Thermal System	Netherlands	Granted	0184203	1991/12/04		
3307	P0138AIP	Programmed Temperature Control Of A Thermal System	Japan	Granted	2,033,583	1996/03/19		
3307	P0138ACH	Programmed Temperature Control Of A Thermal System	Switzerland	Granted	0184203	1991/12/04		
3307	P0138AGB	Programmed Temperature Control Of A Thermal System	Great Britain	Granted	0184203	1991/12/04		
3307	P0138A	Programmed Temperature Control Of A Thermal System	United States	Granted	4,752,216	1984/06/21		
3309	P0139A	Ionization Detectors For Gas Chromatography	United States	Granted	4,837,441	1989/08/06		
3309	P0139AGB	Ionization Detectors For Gas Chromatography	Great Britain	Granted	2,103,697	1990/07/11		
3312	P0140DE	Linearized Ultra-Low Noise MCT Preamp	Germany	Granted	3605,488	1995/05/24		
3312	P0140AIP	Detector Preamp/Filter	Japan	Granted	2,058,543	1996/07/10		
3312	P0140AGB	Detector Preamp/Filter For Use with a MCT Detector	Great Britain	Granted	2,171,512	1989/01/25		
3318	P0141A	Fluid Flow Control System	United States	Granted	4,682,022	1987/07/21		
2445	P0256AD	Optical Beam Switching Apparatus	United States	Granted	4,617,953	1986/10/21		
2445	P0256AIP	Optical Beam Switching Apparatus	Germany	Granted	P2829145	1987/09/10		
2445	P0256AGB	Optical Beam Switching Apparatus	Italy	Granted	1115,127	1986/02/03		
2515	P0257AIP	System For Changing Oxidants In a Spectrophotometer	Great Britain	Granted	1599,349	1976/05/30		
2515	P0257AGB	Spectroscopic Phase Synchronization Apparatus	United States	Granted	4,571,172	1986/02/16		
2646	P0258AIP	Method And Apparatus For Determining The Nature Of An Unknown	Japan	Granted	1,711,151	1992/11/11		
2700	P0101AU	Apparatus And Method For Determining The Nature Of An Unknown	Great Britain	Granted	2,092,298	1984/04/22		
3331	P0144AFR	Solvent Presaturating & Degassing System	Japan	Granted	4,386,852	1983/06/07		
3331	P0144AIP	Solvent Presaturating & Degassing System	United States	Granted	1,670,092	1992/08/12		
3331	P0144AGB	Solvent Presaturating & Degassing System	Great Britain	Granted	2,070,235	1984/02/01		
3331	P0144A	Solvent Presaturating & Degassing System	Australia	Granted	354,477	1985/12/12		
3331	P0144AD	Solvent Presaturating & Degassing System	Europe	Granted	0179,349	1989/05/24		
3331	P0144ANL	Solvent Presaturating & Degassing System	Germany	Pending	3570,527.2	1989/05/24		
3331	P0144ACH	Solvent Presaturating & Degassing System	Netherlands	Granted	0179,349	1989/05/24		
3331	P0144AGB	Solvent Presaturating & Degassing System	Switzerland	Granted	0179,349	1989/05/24		
3331	P0144A	Solvent Presaturating & Degassing System	Great Britain	Granted	0179,349	1989/05/24		
3331	P0144AD	Solvent Presaturating & Degassing System	United States	Granted	4,541,452	1985/08/17		
3331	P0144AIP	Solvent Presaturating & Degassing System	Japan	Pending	3,063,832	2000/04/07		
3365	P0145AFR	Ionization Detectors For Gas Chromatography	Europe	Granted	0248,714	1992/06/17		
3365	P0145AIP	Ionization Detectors For Gas Chromatography	France	Granted	0248,714	1992/06/17		
3365	P0145AGB	Ionization Detectors For Gas Chromatography	Germany	Granted	P377,818.9	1992/06/17		
3365	P0145A	Ionization Detectors For Gas Chromatography	Netherlands	Granted	0248,714	1992/06/17		
3365	P0145AD	Ionization Detectors For Gas Chromatography	Canada	Granted	2,007,792	2000/10/14		
3365	P0145AIP	Ionization Detectors For Gas Chromatography	Italy	Granted	0248,714	1992/06/17		
3365	P0145AGB	Ionization Detectors For Gas Chromatography	Japan	Granted	2,514,288	1990/10/24		
3365	P0145A	Ionization Detectors For Gas Chromatography	Sweden	Granted	0248,714	1992/06/17		
3365	P0145AD	Ionization Detectors For Gas Chromatography	Great Britain	Granted	0248,714	1992/06/17		
3365	P0145AIP	Ionization Detectors For Gas Chromatography	United States	Granted	4,873,662	1989/10/17		
4369	P0422AAU	Ionization Detectors For Gas Chromatography	Australia	Granted	107,363	1999/07/08		

3369	P0146AEP	Automatic Optimization Procedure	Europe	Granted	0192201	1992/07/29	07/05/12.1	1995/02/20
3369	P0146AAU	Automatic Optimization Procedure	Australia	Granted	566,863	1990/07/27	6344/406	1995/02/20
3369	P0146ACA	Automatic Optimization Procedure	Canada	Granted	1,271,342	1990/07/10	500,841	1995/07/21
3369	P0146ADE	Automatic Optimization Procedure	Germany	Granted	368,758	1992/07/26		
3369	P0146ANL	Automatic Optimization Procedure	Netherlands	Granted	0192201	1992/07/26		
3369	P0146AUT	Automatic Optimization Procedure	Italy	Granted	0192201	1992/07/29		
3369	P0146AJP	Automatic Optimization Procedure	Japan	Granted	1,911,192	1992/07/29		
3369	P0146ACH	Automatic Optimization Procedure	Switzerland	Granted	0192201	1992/07/28	35,408/186	1995/02/21
3369	P0146AAU	Automatic Optimization Procedure	Australia	Granted	4,689,764	1992/07/25	08/04,358	1995/02/21
3369	P0196AAU	Automatic Absorption Spectrometer	United States	Granted	502,261	1999/03/16	608,561/86	1995/02/20
3369	P0196AJP	Automatic Absorption Spectrometer	Japan	Granted	2,118,078	1998/12/05		
3369	P0196AAU	Automatic Absorption Spectrometer	United States	Granted	4,991,960	1999/02/12	06/853,766	1995/02/20
3369	P0196AJP	Automatic Absorption Spectrometer	Japan	Granted	2,016,921	1998/02/19	1917/87/86	1995/02/20
3369	P0147A	Automatic Absorption Spectrometer	United States	Granted	4,689,324	1997/06/02	06/853,263	1995/02/20
3369	P0203A	Burner Assembly for Atomic Absorption Spectrometer	United States	Granted	4,176,654	1998/07/11	06/932,957	1995/07/18
3369	P0147AJP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Japan	Granted				
3369	P0175A	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	5,050,621	1997/11/01	07/616,123	1995/07/18
3369	P0262A	Electrothermal Atomization Furnace For Spectroscopy	United States	Granted	4,917,493	1990/04/17	07/205,688	1995/06/13
3369	P0018A	Synchronization Of Digital Signals With Alternating Current	United States	Granted	4,961,207	1990/10/02	07/358,150	1995/06/02
3369	P0023A	Plunger Holding Mechanism For Use In Chromatography	United States	Granted	5,360,596	1996/11/01	07/504,626	1995/04/05
3369	P0031A	Single Element Thermal Conductivity Detector	United States	Granted	5,009,186	1993/11/24	07/748,588	1995/04/22
3369	P0025A	Circuit For Heating And Sensing With A Single Element	Australia	Granted	542,372	1995/02/21	7697/261	1995/10/20
3369	P0261ADE	Optical Coupling Device	Germany	Granted	317,932.7	1997/02/25	31/599.2	1997/02/25
3369	P0261ACH	Optical Coupling Device	Switzerland	Granted	0031792	1997/02/25		
3369	P0027A	Standardizing And Calibrating A Spectrometric Instrument	United States	Granted	5,303,165	1994/04/12	07/034,448	1995/02/12
3369	P0041A	Hybrid Valving System For Varying Fluid Flow Rate	United States	Granted	5,329,985	1994/07/18	08/109,596	1995/07/20
3369	P0044A	Optical Spectrometer For Detecting Spectra In Separate Range	United States	Granted	5,365,983	1996/10/15	08/451,351	1995/05/26
3369	P0044A	Modulator	United States	Granted	5,464,157	1995/11/07	08/276,144	1995/07/18
3369	P0044B	Spark Sampling Microparticle Generator And Method	United States	Granted	5,452,069	1995/04/19	08/137,854	1995/10/15
3369	P0021A	3 Point Bending Measuring System	United States	Granted	4,976,152	1990/12/11	07/435,114	1995/11/13
3369	P0024C	Vial Locater And Sensor	United States	Granted	5,171,530	1992/12/15	07/803,688	1995/12/03
3369	P0064AEP	Integral Separation Capillary/Conductivity Detector	Europe	Granted	0241840	1993/01/27	87/1057/12.1	1997/04/06
3369	P0064AEP	Integral Separation Capillary/Conductivity Detector	France	Granted	0241840	1993/01/27	87/1057/12.1	1997/04/06
3369	P0064ADE	Integral Separation Capillary/Conductivity Detector	Germany	Granted	0241840	1993/01/27	87/1057/12.1	1997/04/06
3369	P0064ANL	Integral Separation Capillary/Conductivity Detector	Netherlands	Granted	0241840	1993/01/27	87/1057/12.1	1997/04/06
3369	P0064AUT	Integral Separation Capillary/Conductivity Detector	Italy	Granted	0241840	1993/01/27	87/1057/12.1	1997/04/06
3369	P0064AJP	Integral Separation Capillary/Conductivity Detector	Japan	Granted	2,735,546	1993/01/27		
3369	P0064ASE	Integral Separation Capillary/Conductivity Detector	Sweden	Granted	0241840	1993/01/27	87/1057/12.1	1997/04/06
3369	P0064AGB	Integral Separation Capillary/Conductivity Detector	Great Britain	Granted	0241840	1993/01/27	87/1057/12.1	1997/04/06
3369	P0064A	Method of Fabricating Capillary Electro Separation Channels	United States	Granted	4,682,805	1998/03/28	06/830,163	1995/02/18
3369	P0064A	Grasping Finger Position Sensor for a Robot System	United States	Granted	4,116,342	1997/12/29	06/804,046	1995/12/05
3369	P0064A	Power Circuit for Spectral Analysis Gaseous Discharge Lamp	United States	Granted	4,126,678	1998/02/23	06/835,145	1996/03/03
3369	P0064A	Flame Atomic Absorption Spectrophotometer	United States	Granted	4,684,811	1997/10/04	06/835,145	1996/03/03
3369	P0064A	Frictionless Translational Bearing	United States	Granted	4,779,216	1998/10/16	06/837,434	1996/03/07
3369	P0071A	System for Calibrating a Monochromator	United States	Granted	4,876,005	1998/10/24	07/261,374	1996/12/08
3369	P0071AEP	High Pressure Column Assembly For A Liquid Chromatograph	Europe	Granted	0728146	1998/09/20	89/102368.1	1999/02/10
3369	P0071ADE	High Pressure Column Assembly For A Liquid Chromatograph	Germany	Granted	0728146	1998/09/20	89/102368.1	1999/02/10
3369	P0071AGB	High Pressure Column Assembly For A Liquid Chromatograph	Great Britain	Granted	0728146	1998/09/20	89/102368.1	1999/02/10
3369	P0072A	Programmable Lamp Pkg	United States	Granted	4,670,813	1997/06/02	06/802,924	1995/11/28
3369	P0073A	Phase Angle Measurement	United States	Granted				
3369	P0073AEP	Phase Angle Measurement	Europe	Granted				
3369	P0073AEP	Phase Angle Measurement	France	Granted				
3369	P0073ADE	Phase Angle Measurement	Germany	Granted				
3369	P0073AIT	Phase Angle Measurement	Italy	Granted				

3514	P0272ADE	Phase Angle Measurement	Japan						
3513	P0272ADE	Phase Angle Measurement	Switzerland						
3512	P0272ADE	Phase Angle Measurement	Great Britain						
3511	P0272ADE	Phase Synchronization	Germany						
3510	P0272ADE	Chromatography Column	United States	Granted	0101982	1988/11/20	83107709	19830804	
3509	P0272ADE	Regulated Deuterium Arc Supply System	United States	Granted	4,742,276	1988/05/03	06188,536	19820725	
3508	P0272ADE	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	4,884,676	1987/10/21	07544,798	1980/0625	
3507	P0272ADE	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Korea	Granted	141,585				
3506	P0272ADE	Variable Gain Amplifier	Germany	Granted	3,307,697	1986/08/29	3307697	19830303	
3505	P0272ADE	Apparatus For Reducing Current Leakage From A Resistance	Japan	Granted	1,559,343	1980/07/10	5142642	1982/0321	
3504	P0272ADE	Optical Coupling Device	Europe	Granted	0051162	1987/02/25	81107860	1987/1002	
3503	P0272ADE	Fluorometer System With Synchronous Clock For Generation Of TI	Europe	Granted	0056136	1987/09/09	81110555	1987/1217	
3502	P0272ADE	Optical Beam Splitter	Europe	Granted	0059836	1985/08/21	82100848,3	1982/0128	
3501	P0272ADE	Apparatus Used With A Chromatography Column	Europe	Granted	0075869	1986/10/15	82106509	1982/0719	
3500	P0272ADE	Spectrophotometer	Europe	Granted	0007568	1987/01/07	83100489,8	1983/0120	
3499	P0272ADE	Liquid Level Sensor	Europe	Granted	0128120	1986/04/17	84106228,4	1984/0530	
3498	P0272ADE	Sample Cell Temperature Stabilizer	Europe	Granted	0154782	1983/04/23	85100947,2	1985/0130	
3497	P0272ADE	Pulse Damper	Europe	Granted	0156132	1986/10/05	85101252,6	1985/02/08	
3496	P0272ADE	Solvent Pressurizing & Degasing System	Europe	Granted	0178349	1986/05/24	85112742	1985/11/19	
3495	P0272ADE	Multi-port Valve In Gas Collection System And Method	United States	Granted	0185926	1982/09/30	85114718,1	1985/11/19	
3494	P0272ADE	Photometric Instrument With Optical Fibers For Analyzing	United States	Granted	5,428,696	1985/06/27	081092,162	1984/0728	
3493	P0272ADE	Hybrid valving system for varying fluid flow rate	Australia	Granted	692,773	1988/05/01	88185164	1984/0728	
3492	P0272ADE	Thermal Insulating Container For Liquefied Gas	United States	Granted	5,665,681	1997/6/12	087724,432	1996/10/01	
3491	P0272ADE	Connecting Apparatus For Conveyance Of Cryogenic Fluid	United States	Granted	5,762,361	1988/06/08	081568,535	1985/09/07	
3490	P0272ADE	Fluid Conveying Device With Removable Connection	United States	Granted	5,716,082	1988/02/10	08155,976	1985/09/07	
3489	P0272ADE	Mounting Apparatus For Induction Coupled Plasma Torch	United States	Granted	5,926,266	1989/07/20	081950,775	1987/10/15	
3488	P0272ADE		Germany	Granted	4135021		84135021,9	1981/10/23	
3487	P0272ADE	Analysis Of Organic Material	Europe	Granted	0281335	1985/07/26	88102840,9	1983/0226	
3486	P0272ADE	Thermal Conductivity Detector	Europe	Granted	0281986	1984/02/02	88103409,4	1983/03/04	
3485	P0272ADE	Inductively Coupled Plasma Torch With Sample Injector	Europe	Granted	0281158	1984/01/12	88103413,6	1983/03/04	
3484	P0272ADE	Power System For Inductively Coupled Plasma Torch	Europe	Granted	0281157	1984/05/29	88103403,7	1983/03/04	
3483	P0272ADE	Chromatography Column	Europe	Granted	0281922	1983/03/10	88105148,3	1983/04/11	
3482	P0272ADE		Germany	Granted	263881	1980/10/17	3218687	1980/11/18	
3481	P0272ADE		France	Granted	7126944	1972/03/06	7126944	1971/07/13	
3480	P0272ADE		Germany	Granted	3540755	1986/04/22	3540755,9	1985/10/06	
3479	P0272ADE	Computer Operated Spectrometric Instrument	Europe	Published			99108264,5	1999/04/27	
3478	P0272ADE	Low Frequency Signal Processing Circuitry	Europe	Granted	0334303	1984/07/20	88105064,3	1985/03/21	
3477	P0272ADE	Monochromator Drift Compensation	Europe	Granted	0344783	1984/03/02	89109948,3	1985/06/01	
3476	P0272ADE	Standardization Of Spectral Lines	Europe	Granted	0344782	1983/10/27	89109947,5	1985/06/01	
3475	P0272ADE		Europe						
3474	P0272ADE		Europe						
3473	P0272ADE	Method And Apparatus For Computing Spectra	Europe	Granted	0353700	1987/03/26	92118813,2	1982/10/02	
3472	P0272ADE	Apparatus For Differential Analysis Of Sample Dielectric Pro	Europe	Granted	0358972	1983/03/08	93102158,7	1983/02/11	
3471	P0272ADE	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			09735,248	1984/08/28	
3470	P0272ADE	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			09735,242	1984/08/28	
3469	P0272ADE	Method Of Manufacturing Glass Beads	Japan	Granted	5,296,821		53128842	1982/11/18	
3468	P0272ADE	Method Of Manufacturing Glass Beads	United States	Granted	5,933,357	1983/08/03	082851,769	1987/05/06	
3467	P0272ADE	Backwashing System For Gas Chromatography	Japan	Pending			01508516	1989/07/27	
3466	P0272ADE		Japan	Pending			01508455	1989/07/27	
3465	P0272ADE		Japan	Pending			05263036	1989/09/28	
3464	P0272ADE	Multi-port Valve In Gas Collection System And Method	Germany	Granted	P3586715,9	1982/09/30	85114718,1	1985/11/19	
3463	P0272ADE	Chromatography Column	Germany	Granted	P3678976,1	1983/03/10	88105744,3	1986/04/11	
3462	P0272ADE	Standardization Of Spectral Lines	Germany	Granted	P68910188,0	1983/10/27	89109947,5	1985/06/01	
3461	P0272ADE		Germany	Granted	3175277		3175277	1986/09/03	
3460	P0272ADE		Germany	Granted	3562749		3562749	1981/12/04	

2766	P0087A	Fuel Flow Control Device	United States	Granted	4,354,932	1982/10/19	06/19/2002	1980/10/15
4446	P0065A	Heater Control Circuit	United States	Granted	5,672,289	1987/08/20	06/58/210	1986/07/11
4443	P0065A	Apparatus For Controlling Level Of Cryogenic Liquid	United States	Granted	5,671,603	1987/08/20	06/58/210	1986/07/11
4435	P0065A	Dry Gas Curing For Cryogenic Surface	United States	Granted	5,580,537	1987/07/27	06/52/455	1986/09/07
4431	P0065A	Chamber Heating Rapid Cooling Of A Heating Vessel Therein	United States	Granted	5,876,118	1986/03/02	06/56/358	1986/12/08
4430	P0047A	Gas Chromatographic System With Controlled Sample Transfer	United States	Granted	5,711,766	1986/01/27	06/73/689	1986/10/21
4411	P0047A	Flow Regulation In Gas Chromatograph	United States	Granted	5,545,252	1986/08/13	06/83/770	1986/02/01
3522	P0200A	Gas Control Device For Controlling The Fuel Gas	United States	Granted	4,681,530	1987/07/21	06/85/770	1986/09/16
4073	P008AEP	Differential Diode Array	Japan	Pending			05-06-4842	1987/03/02
3536	P0076A	Detector Cell	Europe	Pending	0336288	1986/07/12	89106283.1	1986/03/23
2856	P0276A	Optical Coupling Device	United States	Granted	4,484,212	1985/01/15	06/62/547	1984/07/06
2762	P0276A	Flowmeter System With Synchronous Clock For Generation Of T1	United States	Granted	4,345,478	1982/08/24	06/72/473	1981/01/13
2730	P0276A	Multi-port Valve In Gas Collection System And Method Of Use	United States	Granted	4,801,211	1986/07/22	06/80/689	1984/12/12
3536	P028AEP	Low Cost Detector Cell	Japan	Granted	12,042,337	1989/12/24	76/62/89	1988/03/31
3538	P028AEP	Detector Cell For Liquid Chromatography	Europe	Published	0628574		84108752.8	1989/03/23
4511	P0089C	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			08/47/642	2000/01/07
5015	P0343A	Barcode Labeling Of ATO Tubes	United States	To File				
4479	P0064ACH	Analyzing Spectrometric Data	Switzerland	Granted	0834725		97117174.9	1987/10/02
4479	P0064ADE	Analyzing Spectrometric Data	Germany	Granted	0834725			
4479	P0064AFR	Analyzing Spectrometric Data	France	Granted	0834725			
4479	P0064AGB	Analyzing Spectrometric Data	Great Britain	Granted	0834725			
4479	P0064AIT	Analyzing Spectrometric Data	Italy	Granted	0834725			
4479	P0064ANL	Analyzing Spectrometric Data	Netherlands	Granted	0834725			
2730	P0276AEP	Multi-port Valve In Gas Collection System And Method Of Use	Japan	Granted	1,839,829	1984/04/25	278111/65	1985/12/12
4045	P0027ADE	Standardizing And Calibrating A Spectrometric Instrument	Germany	Granted	0560006		93100106.9	1983/01/07
4046	P0027ADE	Photodetector Amplifier Assembly	Germany	Granted	P-8308304	1987/04/09	93100102.8	1983/01/07
4076	P0039AAU	Absorbance Correction In Atomic Absorption Spectroscopy	Australia	Granted	654,088		28814/82	
4137	P0039AAU	Grouping Of Spectral Bands For Data Acquisition	Australia	Granted	607,614		5187/294	
4483	P008AEP	Tunable External Cavity Diode Laser	Europe	Published			97938051.6	1987/07/28
4642	P0345A	Use Of Hg Lines From Hg Lamp For Wavelength Standardization	United States	To File				
4641	P0015AEP	Low Cost Detector Cell	Japan	Granted	3,016,789	1989/12/24	78752/89	1989/12/24
5003	P0347A	Use Of Ne Lines For ICP Instrument Standardization	United States	To File				
5003	P0347A	Methods And Apparatus To Improve The Sensitivity	United States	Pending			60193,974	2000/03/31
5006	P0348A	Apparatus And Methods For Bioluminescent Analytical Methods	United States	Pending			60193,519	2000/03/31
	P0350A	Polymeric Sampling Sash						
	P0351A	Polymeric Reagent Pad						
3824	P0009A	Sampling Device For Use In Automated Methods	United States	Granted				
3824	P0009A	Arc Spray Gun For Coating Confined Areas	United States	Granted	4,653,513	1988/08/01	07187,106	1988/04/28
3824	P0009A	Arc Spray Gun For Coating Confined Areas	Canada	Granted	1,314,944	1989/03/23	587,288	1989/04/20
3824	P0009AEP	Arc Spray Gun For Coating Confined Areas	Japan	Granted	2-164470	1989/05/25	1-104817	1989/04/26
3824	P0009AEP	Arc Spray Gun For Coating Confined Areas	Europe	Granted	0219650			
3824	P0009ACN	Arc Spray Gun For Coating Confined Areas	China	Granted	1038978			
3824	P0009ADE	Arc Spray Gun For Coating Confined Areas	Germany	Granted	6892465			
	P0032AEP							
5000	P0353A	Pedding Of The Torch Gasflow	United States	Pending				
3264	P0002A	Digital Gain Controlled Current To Voltage Amplifier	United States	Granted	4,669,877	1987/08/02	06/704,386	1987/02/22
	P0326ACH	Detection Of Low Level Hydrophobic Analytes In Samples						
	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	P0073AIVO	Autosampler Having Gripped With Shape Memory Metal Actuator	PCT	Pending			PCT/US00/03746	2000/02/14
	P0071B	Autosampler	United States	Pending			09/518,466	2000/03/03
	P0045ADE	Neobulter	Germany	Pending			68514,870.2-08	1993/06/22
	P0047BAU	Flow Regulation In Gas Chromatograph	Australia	Pending			1757/800	2000/02/18

P0033AT	Fluid Conveying Device With Removable Connection	Italy	Pending				
P0033AFR	Fluid Conveying Device With Removable Connection	France	Pending				
P0033ADE	Fluid Conveying Device With Removable Connection	Germany	Pending				
P0033ACH	Fluid Conveying Device With Removable Connection	Switzerland	Pending				
P0033AWO	Self Aligning Optical Fiber Terminator	PCI	Pending				
P0357A	Non-Contacting Method of Cleaning Surfaces	United States	Granted	4,866,024	1990/06/11	PC/T/US00/0867	2000/04/01
P0357ACA	Non-Contacting Method of Cleaning Surfaces	Canada	Granted	1,315,923	1993/04/13	587,985	1999/01/11
P0357AEP	Non-Contacting Method of Cleaning Surfaces	Europe	Granted	0324435	1993/07/18	88100348.9	1998/01/10
P0357AJP	Non-Contacting Method of Cleaning Surfaces	Japan	Granted	1,225,125	1990/09/08	892,932	1998/01/11
P0357ADE	Non-Contacting Method of Cleaning Surfaces	Germany	Granted	68808422	1993/11/04	809,422	1998/01/10
P0358A	Scanning Array Spectrophotometer	United States	Granted	4,799,464	1993/01/17	06/039,658	1998/03/12
P0359A	Method and Apparatus For Reactionless Rotation	United States	Granted	5,131,611	1992/07/21	691,936	1991/04/25
P0042ADE	Nebulizer	Germany	Granted	693,320		PGS/14870.2	
P0042AGB	Nebulizer	United Kingdom	Granted	693,320		693,320	
P0042ANT	Nebulizer	Netherlands	Granted	693,320		693,320	
P0333AAU	Method For Processing A Sample						
P0031AIT	Simple Element Thermal Conductivity Detector	Italy	Granted	0528285	1993/09/02	92112315.8	1992/07/20
P0271AJP	High Pressure Column Assembly For A Liquid Chromatograph	Japan	Granted	2,678,879			
P0380A	Microtrophograph Apparatus	United States	Granted	4,952,858	1990/08/28	198,545	1993/05/18
P0380AEP	Microtrophograph Apparatus	Europe	Granted	0342639	1990/11/23	89108844.4	1993/05/17
P0380AJP	Microtrophograph Apparatus	Japan	Granted	2,035,709	1990/02/06	123,023	1993/05/18
P0360ACA	Microtrophograph Apparatus	Canada	Granted	1,304,173	1992/06/23	599,723	1993/05/15
P0360ADE	Microtrophograph Apparatus	Germany	Granted	68925231	1996/02/08	623,233	1993/05/17
P0361A	Design Of A Device For Sampling A Surface To Collect	United States	To File				
P0362A	Pyrolytic Carrier For Reagents	United States	To File				
P0363A	Low Cost Internal Calibration Standard	United States	To File				
P0364A	Dual Photodiode Connection Of Background For Bioluminescence	Germany	Granted	2,180,044			
P0200ADE	Gas Control Device For Controlling The Fuel Gas	Great Britain	Granted	P3670372.9		P3670372.9	
P0365A	Conductive Coating To Eliminate Charge Effects And Reduce	Germany	Granted				
P0366A	Scan-Check Switch And Switching Technique	United States	To File				
P0367A	Dual Photodiode Connection Of Background For Bioluminescence	United States	To File				
P0368A	Scan-Check Detection Of Inhibitory Components	United States	To File				
P0369ADE	Grouping Of Spectral Bands For Data Acquisition	Germany	Pending				
P0201AGB	Device For Igniting A Flame In An Atomic Absorption Spectrom	Great Britain	Granted	2,180,326	1987/03/25	0821642	1986/09/10
P0201ADE	Device For Igniting A Flame In An Atomic Absorption Spectrom	Germany	Granted	P3532537.2	1987/03/19	P3532537.2	1985/03/12
P0200BDE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	3529347.3			
P0371A	Method For Measuring Absolute Value Of Thermal Conductivity	United States	Pending				
P0372A	Method Of Detecting Organisms In A Sample	United States	Granted	5,902,722	1990/05/11	601210,266	2000/06/08
P0372AVO	Method Of Detecting Organisms In A Sample	United States	Pending			08/585,574	1997/12/05
P0376A	Planar Electrochemical Gas Sensor	United States	To File				
P0377A	Electrochemical Gas Sensor With Miniaturized Flow Channels	United States	To File				
P0378A	Carbonation-Free Electrochemical Sensor	United States	To File				
P0379A	Electrochemical Sensor With Dry Nafion	United States	To File				
P0380A	Integrated Electrochemical Gas Generator	United States	To File				
P0381A	Prevention Of Flooding In Thick-Film Electrochemical Sensors	United States	To File				
P0382A	RF Compensation For Electrochemical Sensors With Different	United States	To File				
P0383A	RF Compensation For Electrochemical Sensors With Different	United States	To File				