

09-07-2000



PATENT

03141-P0115A WWW

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignor:	Perkin-Elmer Corporation
Assignee:	Perkin Elmer LLC
Patent No. 4,678,917	Issue Date: July 7, 1987
Title of Application:	Instantaneous Reading Multichannel Polychromatic Spectrophotometer Method and Apparatus.

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

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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.

August 4, 2000

Handwritten signature of Danielle Dominici
Danielle Dominici

PATENT
REEL: 011035 FRAME: 0616

5. Patent Number: 4,678,917.
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.

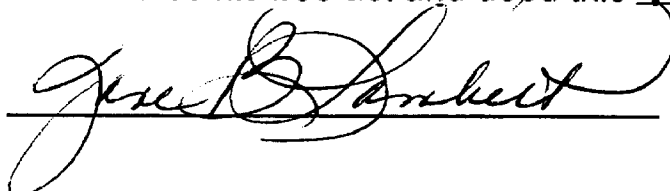
Notary Public 

				EXHIBIT A					
Pertin Elmer	Matter	Matter	Country	Status	Registration Number	Issue Date	Serial Number	File Date	
No.	Code	Name							
0995	P0003ASE	Automatic Variable Filter For Use In Scanned Spectrometers	Sweden	Pending			11469-6	1973/04/23	
2103	P0004AJP	Flame Ionization Detector Status Indicator	Japan	Pending					
2132	P0005AJP	Detector Cell Assembly	Japan	Pending			16094-9	1978/12/29	
2357	P0006AJP	High Resolution Slipping Motor Drive	Japan	Pending			60305/96	1988/04/23	
3602 (MWK/UMER)	P0016AJP	Ultra Frequency Slaved Voltage-To-Frequency Converter System	Japan	Granted	2,730,577	1997/12/16	276489/87	1987/11/06	
3828	P0018AJP	Circuit For Synchronizing Digital Signals	Japan	Granted	3,060,314	2000/04/28	02-205946	1997/03/02	
3908	P0019ADE	Application Of Kalman Filtering To ICP Spectra	Germany	Pending			P3827768.2	1999/08/23	
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	1997/11/13	
4014	P0023ADE	Pumpjet Homing Mechanism For Use In Chromatography	Germany	Pending			P4110763.2	1991/04/03	
4015	P0024ACA	Pumpjet Homing Mechanism For Use In Chromatography	Japan	Granted	3,057,380	2000/04/21	3-7326491	1991/04/05	
4015	P0024AJP	Vial Locator And Sensor	Canada	Pending			2,035,916	1991/02/07	
4037	P0025AJP	Circuit For Heating And Sensing With A Single Element	Japan	Granted	5-108160	1993/09/30	333027/81	1991/02/27	
4045	P0027ACA	Standardizing And Calibrating A Spectrometric Instrument	Canada	Pending			03-345215	1992/01/15	
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Europe	Granted	5,602,307		87250176.7	1997/08/09	
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted	6,002,307		05-037343	1992/02/03	
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Korea	Granted	1937/93	2000/03/14	1937/93	1993/02/12	
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Canada	Pending			2,087,821	1993/01/21	
4046	P0028ACA	Photodetector Amplitude Linearity	Japan	Granted	6-48745	1994/09/29	241447/82	1992/08/19	
4046	P0028AJP	Photodetector Amplitude Linearity	Korea	Granted	247,171	1998/12/10	728/83	1994/01/19	
4067	P0030AJP	Industry Coupled Plasma Generator	Japan	Pending			116189/83	1993/04/20	
4070	P0031AJP	Single Element Thermal Conductivity Detector	Japan	Pending	5-223771	1993/08/31	P4240301.4	1992/12/01	
4076	P0033ADE	Absorbance Correction In Atomic Absorption Spectroscopy	Germany	Pending			P4237167.8	1992/11/04	
4091	P0035ADE	Method And Apparatus For Heating A Thermionic Diode Source	Germany	Granted	5-256822	1993/10/08	04-327513	1992/11/13	
4091	P0035AJP	Method And Apparatus For Heating A Thermionic Diode Source	Japan	Granted			81802988.3		
4126	P0037AJP	Sampling Conditioning Method & Apparatus	Europe	Pending			18502431.1	1995/01/26	
4133	P0038ADE	Optical Switching Apparatus With Retroreflector	Germany	Pending			3869/195	1995/02/27	
4137	P0039ACA	Grouping Of Spectral Bands For Data Acquisition	Canada	Granted	7,287,178		2,115,856	1994/02/17	
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Europe	Granted	0615115	2000/04/26	94103598.2	1994/03/09	
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Japan	Granted	6,300,828		38743/84	1994/03/09	
4317	P0041ACA	Hybrid Valving System For Varying Fluid Flow Rate	Canada	Granted			2,126,496	1994/06/22	
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Europe	Granted	0636959	2000/04/27	84109891.5	1994/06/27	
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Japan	Granted	7,078,032		177025/94	1994/07/28	
4389	P0042AJP	Nebulizer	Europe	Published	0893320		85108736.8	1995/06/22	
4389	P0042AJP	Nebulizer	Japan	Pending			180304/95	1995/07/17	
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Ranges	Australia	Granted	713,793	1996/05/24	52485/06	1996/06/24	
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Ranges	Europe	Pending	0744599		96107288.1	1996/05/08	
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Ranges	Japan	Pending			132143/96	1996/05/27	
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0763196		85921344.8	1995/05/22	
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0803061		85921344.8	1995/05/22	
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending			85900987	1996/11/29	
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Australia	Granted	710,068	2000/01/20	34315/95	1995/10/17	
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Europe	Pending	0708324		85115662.8	1995/10/17	
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Japan	Pending			271071/95	1995/10/19	
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Australia	Granted			45801/96	1996/02/28	
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Canada	Pending			2,170,080	1996/02/22	
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Europe	Pending	0730151		96103188.7	1996/03/01	

4411	P0047AJP	Flow Regulation In Gas Chromatograph	Japan	Pending			4535106	1996/03/01
4412	P004BAEP	Solid State Inductively Coupled Plasma Generator	Europe	Pending	0051572		9712194.5	1997/12/12
4427	P004BAJP	Solid State Inductively Coupled Plasma Generator	Japan	Published			10000481	1990/01/05
4430	P004BAEP	Gas Chromatographic System With Controlled Sample Transfer	Europe	Pending	0770888		96117016.4	1996/10/23
4430	P004BAJP	Gas Chromatographic System With Controlled Sample Transfer	Japan	Pending			281138106	1996/10/23
4431	P0050AEP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Europe	Granted	0776465	1987/06/11	961138107.7	1996/12/03
4431	P0050AJP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Japan	Granted	8,178,577	1997/07/11	328552196	1996/12/03
4432	P0051AEP	Thermal Insulating Container For Liquefied Gas	Europe	Published			96113491.3	1996/09/22
4432	P0051AJP	Thermal Insulating Container For Liquefied Gas	Japan	Pending			265934180	1996/09/05
4433	P0052AEP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Europe	Pending	0776439		96113365.1	1996/12/03
4433	P0052AJP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Japan	Pending			328554106	1996/12/03
4434	P0053AEP	Fluid Conveying Device With Removable Connection	Europe	Published	0762033	2000/08/14	96113490.5	1996/09/22
4434	P0053AJP	Fluid Conveying Device With Removable Connection	Japan	Pending			236896196	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			234440194	1996/09/04
4440	P0055AEP	Standardizing A Spectrometric Instrument	Europe	Pending			97122558.6	1997/12/19
4440	P0055AJP	Standardizing A Spectrometric Instrument	Japan	Pending			35355087	1997/12/22
4443	P0055BEP	Standardizing A Spectrometric Instrument	United States	Granted	6,049,762	2000/04/11	081993,482	1987/12/18
4443	P0055BJP	Standardizing A Spectrometric Instrument	Japan	Pending			96110836.9	1996/12/03
4443	P0056AEP	Apparatus For Controlling Level Of Cryogenic Liquid	Europe	Pending			328918596	1996/12/03
4443	P0056AJP	Apparatus For Controlling Level Of Cryogenic Liquid	Japan	Pending			97122551.1	1997/12/19
4456	P0057AEP	Standardizing Between Analytical Instruments	Europe	Pending	0065219		35374897	1997/12/22
4456	P0057AJP	Standardizing Between Analytical Instruments	Japan	Pending			081893,483	1997/12/18
4457	P0058AEP	Standardizing Of Chromatographic Systems	United States	Pending	0078712		135731354	1996/05/18
4457	P0058AJP	Standardizing Of Chromatographic Systems	Japan	Pending			96109041.8	1996/05/18
4457	P0058BEP	Standardizing Of Chromatographic Systems	United States	Granted	5,958,246	1999/08/28	091078,080	1996/05/18
4458	P0059AJP	Heater Control Circuit	Japan	Pending			1082797	1997/01/04
4471	P0062AEP	Mounting Apparatus For Induction Coupled Plasma Torch	Europe	Granted	0810231		961118130.7	1996/10/09
4471	P0062AJP	Mounting Apparatus For Induction Coupled Plasma Torch	Japan	Pending			283530394	1996/10/15
4472	P0063AEP	Ion Detector, Detector Array And Instrument Using Same	Europe	Pending	0898784		97920359.3	1996/10/20
4472	P0063AJP	Ion Detector, Detector Array And Instrument Using Same	Japan	Pending			9-537249	1996/10/12
4479	P0064AEP	Analyzing Spectrometric Data	Europe	Pending	00834725		97117174.9	1997/10/03
4479	P0064AJP	Analyzing Spectrometric Data	Japan	Pending			27165097	1997/10/03
4479	P0064B	Analyzing Spectrometric Data	United States	Granted	6,078,115	2000/01/22	081840,576	1997/09/30
4484	P0065A	Self Aligning Optical Fiber Terminator	United States	Pending			091285,282	1999/04/02
4484	P0065AJU	Tunable External Cavity Diode Laser	Australia	Pending			404689,97	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	1996/01/26
4498	P0067AEP	Backflushing System For Gas Chromatography	Europe	Pending	0028717		97115653.4	1997/09/09
4498	P0067AJP	Backflushing System For Gas Chromatography	Japan	Pending			260877197	1997/09/16
4531	P0070AEP	Method And Apparatus To Compensate For Gas Chromatograph	Europe	Pending	0072732		98106882.4	1998/04/15
4531	P0070AJP	Method And Apparatus To Compensate For Gas Chromatograph	Japan	Pending			10512298	1998/04/15
4538	P0071A	Autosampler	United States	Pending			601122,992	1999/03/05
4580	P0073A	Autosampler Having Gripper With Shape Memory Metal Actuator	United States	Pending	5,240,764		081250,063	1999/02/12
4580	P0073AJP	Autosampler Having Gripper With Shape Memory Metal Actuator	Japan	Granted	1,361,134	1997/01/20	04-346133	1997/12/02
4580	P0073AJP	Autosampler Having Gripper With Shape Memory Metal Actuator	United States	Granted			87110775.1	1987/07/24
4585	P0085AEP	Regulated Deuterium Arc System Supply	Europe	Granted	0254326		091065,762	1899/06/23
4585	P0085AJP	Regulated Deuterium Arc System Supply	Japan	Pending			081257,597	1999/06/23
4585	P0085A	Apparatus And Method For Differential Analysis Using Signals	United States	Granted	6,548,387	1996/08/27	90120859.5	1999/10/31
4585	P0085AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Granted	0428010	1994/06/01	081201,848	1999/02/25
4585	P0085A	3 Point Banding Measuring System	Europe	Granted	15,481,631	1996/01/02	081202,515	1999/02/25
4585	P0085A	Optical Switching Apparatus With Retroreflector	United States	Granted	5,412,458	1995/02/02	22320440	1999/02/26
4585	P0085AJP	Optical Switching Apparatus With Retroreflector	Japan	Pending				
4585	P0085A	Automatic Temperature Calibration Of Thermal Analyzers	United States	Granted				
4585	P0085AJP	Automatic Temperature Calibration Of Thermal Analyzers	Japan	Pending				
4585	P0085A	Deposited Glass Etchings	United States	Granted	2,240,026	1999/01/21	9412352.8	1994/06/20
4585	P0085AJP	Deposited Glass Etchings	Japan	Granted			PCT/US97/08077	1997/04/11
4585	P0085A	Ion Detector, Detector Array And Instrument Using Same	United States	Granted				
4585	P0085AJP	Ion Detector, Detector Array And Instrument Using Same	Japan	Pending				

4472	P0063A	Ion Detector, Detector Array And Instrument Using Same	United States	Pending			09/180,167	1990/1103
4493	P0066B	Tunable External Cavity Diode Laser	United States	Pending			09/230,499	1990/1103
2714	P0063AEP	Solvent Delivery System	Europe	Granted	0065171	1984/04/13	82111717.3	1982/1217
2714	P0063AFR	Solvent Delivery System	France	Granted	0065171	1984/04/13	82111717.3	1982/1217
2714	P0063ADE	Solvent Delivery System	Germany	Granted	P3278327.2	1984/04/13	82111717.3	1982/1217
2714	P0063ANL	Solvent Delivery System	Netherlands	Granted	0065171	1984/04/13	82111717.3	1982/1217
2714	P0063AUT	Solvent Delivery System	Italy	Granted	0065171	1984/04/13	82111717.3	1982/1217
2714	P0063AJP	Solvent Delivery System	Japan	Granted	1,764,707	1983/05/28	11602/85	1982/10128
2714	P0063ASE	Solvent Delivery System	Sweden	Granted	0065171	1984/04/13	82111717.3	1982/1217
2714	P0063ACH	Solvent Delivery System	Switzerland	Granted	0065171	1984/04/13	82111717.3	1982/1217
2714	P0063AGB	Solvent Delivery System	Great Britain	Granted	0065171	1984/04/13	82111717.3	1982/1217
2714	P0063A	Solvent Delivery System	United States	Granted	4,656,367	1985/12/03	06/532,758	1984/07/20
2766	P0066AFR	Spectrophotometer Gas Control System	France	Granted	0069204	1987/08/16		
2766	P0067AGB	Fluid Flow Control Device	Great Britain	Granted	2,065,614	1984/08/20	8125863.1	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	1983/10/14	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	4,487,477	1984/12/11	06/470,427	1983/02/28
2873	P0099ACH	Apparatus Useful With A Chromatography Column	Switzerland	Granted	P3273842.0	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 Substances	Germany	Granted	3205580	1993/05/51	3205580	1982/02/17
2772	P0100AJP	Apparatus Useful For Analyzing Refractory Substances	Japan	Granted	1,676,561	1992/08/26	32182/82	1982/02/16
2780	P0101A	Apparatus Useful For Positioning A Light Filter	United States	Granted	4,400,354	1983/08/23	06/235,781	1981/02/19
2876	P0102AEP	Control Circuit For Liquid Chromatograph	United States	Granted	4,419,575	1983/12/06	06/263,305	1981/06/02
2876	P0102AFR	Control Circuit For Liquid Chromatograph	France	Granted	0085172	1987/11/11	82111720.7	1982/1217
2876	P0102ADE	Control Circuit For Liquid Chromatograph	Germany	Granted	0085172	1987/11/11	82111720.7	1982/1217
2876	P0102AJP	Control Circuit For Liquid Chromatograph	Japan	Granted	P3277646.9	1987/11/11	82111720.7	1982/1217
2876	P0102AIT	Control Circuit For Liquid Chromatograph	Italy	Granted	0085172	1987/11/11	82111720.7	1982/1217
2876	P0102ASE	Control Circuit For Liquid Chromatograph	Sweden	Granted	1,755,762	1993/04/23	10667/83	1983/01/27
2876	P0102ACH	Control Circuit For Liquid Chromatograph	Switzerland	Granted	0085172	1987/11/11	82111720.7	1982/1217
2876	P0102AGB	Control Circuit For Liquid Chromatograph	Great Britain	Granted	0085172	1987/11/11	82111720.7	1982/1217
2876	P0102A	Control Circuit For Liquid Chromatograph	United States	Granted	4,450,574	1984/05/22	001343,805	1982/01/29
2889	P0103AFR	Spectrophotometer	France	Granted	0087580	1987/10/07	83100499.9	1982/01/20
2889	P0103ADE	Spectrophotometer	Germany	Granted	P336894.9	1987/10/07	83100499.9	1982/01/20
2889	P0103ACH	Spectrophotometer	Switzerland	Granted	0087580	1987/10/07	83100499.9	1982/01/20
2889	P0103AGB	Spectrophotometer	Great Britain	Granted	4,464,051	1984/08/07	06/354,254	1982/01/20
2889	P0103A	Spectrophotometer	United States	Granted	0129120	1984/08/17	84106228.4	1984/05/30
2889	P0104AFR	Liquid Level Sensor	France	Granted	P3473509.7	1984/08/17	84106228.4	1984/05/30
2889	P0104ADE	Liquid Level Sensor	Germany	Granted	0129120	1984/08/17	84106228.4	1984/05/30
2889	P0104ACH	Liquid Level Sensor	Switzerland	Granted	0129120	1984/08/17	84106228.4	1984/05/30
2889	P0104AGB	Liquid Level Sensor	Great Britain	Granted	4,592,793	1985/04/06	001506,232	1983/06/17
2889	P0104A	Liquid Level Sensor	United States	Granted	4,417,168	1985/11/22	061344,247	1982/01/29
2891	P0105A	Control Circuit For Stepper Motor	United States	Granted	3572537.0	1986/08/23	3572537	1986/08/23
3007	P0105ADE	L.C. Sample Cell	Germany	Granted	1,928,835	1995/05/12	18614/85	1985/02/04
3007	P0105AJP	L.C. Sample Cell	Japan	Granted	0154792	1989/08/23	85100947.2	1985/11/30
3007	P0105ACH	Sample Cell Temperature Stabilizer	Switzerland	Granted	0154792	1989/08/23	85100947.2	1985/11/30
3007	P0105AGB	Sample Cell Temperature Stabilizer	Great Britain	Granted	0154792	1989/08/23	85100947.2	1985/11/30
3007	P0105A	Sample Cell Temperature Stabilizer	United States	Granted	4,599,765	1986/07/08	065576,585	1984/02/03
3048	P0106AJP	Sample Cell Temperature Stabilizer	Japan	Granted	561,554	1987/05/14	18441/83	1983/08/28
3048	P0106ACH	Furnace Positioning Mechanism	Australia	Granted	P3378594.5	1984/11/20	83107709.4	1983/08/04
3048	P0106ADE	Furnace Positioning Mechanism	Germany	Granted	0101982	1984/11/20	83107709.4	1983/08/04
3048	P0106AGB	The Use Of Thin Driven Soda Glass Appropriately Coated To	Great Britain	Granted	0101982	1984/11/20	83107709.4	1983/08/04
3061	P0106A	Ship Cation Assembly	Europe	Granted	0133226	1988/03/20	84108028.6	1984/07/19

3061	P0110ABE	Slip Clutch Assembly	Belgium	Granted	0,133,226	1988/02/20	84108028.6	1984/7/9
3061	P0110AFR	Slip Clutch Assembly	France	Granted	0,133,226	1988/02/20	84108028.6	1984/7/9
3061	P0110ADE	Coupler Mechanism	Germany	Granted	347,019.0	1988/02/20		1984/7/9
3061	P0110ANL	Slip Clutch Assembly	Netherlands	Granted	0,133,226	1988/02/20	84108028.6	1984/7/9
3061	P0110ANT	Slip Clutch Assembly	Italy	Granted	0,133,226	1988/02/20	84108028.6	1984/7/9
3061	P0110ACH	Slip Clutch Assembly	Switzerland	Granted	0,133,226	1988/02/20	84108028.6	1984/7/9
3061	P0110A	Slip Clutch Assembly	United States	Granted	4,560,050	1988/02/20	84108028.6	1984/7/9
3076	P0111AEP	Spectrophotometer	Europe	Granted	0,135,761	1989/10/05	84108506.0	1984/08/09
3076	P0111ABE	Spectrophotometer	Belgium	Granted	0,135,761	1989/10/05	84108506.0	1984/08/09
3076	P0111AFR	Spectrophotometer	France	Granted	0,135,761	1989/10/05	84108506.0	1984/08/09
3076	P0111ADE	Optical Design Of Fourier Transform Spectrophotometer	Germany	Granted	P,949,468.9	1989/10/05	84108506.0	1984/08/09
3076	P0111ANL	Spectrophotometer	Netherlands	Granted	0,135,761	1989/10/05	84108506.0	1984/08/09
3076	P0111ANT	Spectrophotometer	Italy	Granted	0,135,761	1989/10/05	84108506.0	1984/08/09
3076	P0111AJP	Optical Design Of Fourier Transform Spectrophotometer	Japan	Granted	1,800,723	1989/11/12		
3076	P0111ACH	Spectrophotometer	Switzerland	Granted	0,135,761	1989/10/05	84108506.0	1984/08/09
3076	P0111AGB	Spectrophotometer	Great Britain	Granted	0,135,761	1989/10/05	84108506.0	1984/08/09
3076	P0111A	Spectrophotometer	United States	Granted	4,740,082	1988/04/26	84108506.0	1984/08/09
3107	P0111A	Solvent Pressurizing System	United States	Granted	4,448,684	1988/05/15	064,451,788	1983/07/18
3109	P0111A	Liquid Chromatography Controller	United States	Granted	4,619,935	1988/10/21	061,568,765	1984/07/06
3111	P0111A	Pulse Damper	United States	Granted	4,548,713	1988/10/22	061,568,765	1984/07/06
3111	P0111ADE	RTV Pulse Damper	Germany	Granted	358,542.5	1988/10/05	358,542.5	1988/10/05
3111	P0111ANP	RTV Pulse Damper	Japan	Granted				
3111	P0111ASE	Pulse Damper	Sweden	Granted	0,156,132	1988/10/05	85101262.6	1985/02/06
3111	P0111ACH	Pulse Damper	Switzerland	Granted	0,156,132	1988/10/05	85101262.6	1985/02/06
3111	P0111AGB	Pulse Damper	Great Britain	Granted	0,156,132	1988/10/05	85101262.6	1985/02/06
3138	P0116AAU	Holder Assembly For Reaction Tubes	Australia	Granted	705,769	1989/06/24	32,681,195	1985/08/27
3139	P0116AAU	KCP Bad Plasma Detector	Europe	Granted	705,036	1989/06/24	62,194,986	1984/07/11
3135	P0115AEP	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	France	Granted	0,182,200	1986/03/06	86101901.6	1986/02/14
3135	P0115AFR	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	France	Granted	0,192,200	1986/03/06	86101901.6	1986/02/14
3135	P0115ADE	A Novel Array Spectrometer	Germany	Granted	38,504.912	1986/03/06	38,504.912	1986/02/14
3135	P0115ANL	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Netherlands	Granted	0,192,200	1986/03/06	86101901.6	1986/02/14
3135	P0115AJP	A Novel Array Spectrometer	Japan	Granted	2,602,809	1987/01/29		
3135	P0115ACH	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Switzerland	Granted	0,192,200	1986/03/06	86101901.6	1986/02/14
3135	P0115AGB	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Great Britain	Granted	0,192,200	1986/03/06	86101901.6	1986/02/14
3135	P0115A	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	United States	Granted	4,678,817	1987/07/07	067,053,260	1985/02/19
3138	P0116ADE	Holder Assembly For Reaction Tubes	Germany	Granted	340,085	1984/12/22	340,085	1984/02/27
3138	P0116AJP	Holder Assembly For Reaction Tubes	Japan	Granted	1,919,140	1985/04/07	354,804	1984/02/27
3138	P0116A	Holder Assembly For Reaction Tubes	United States	Granted	5,032,283	1987/07/15	061,882,017	1986/07/03
3142	P0118AEP	Apparatus For Monitoring A Plasma Torch	United States	Granted	4,640,827	1987/02/03	061,882,017	1986/07/03
3142	P0118AFR	An Apparatus And Method For Optimizing Separation Of An Union	Europe	Granted	0,176,925	1987/09/30	85110513.0	1985/08/21
3142	P0118ADE	An Apparatus And Method For Optimizing The Separation Of An Union	France	Granted	0,176,925	1987/09/30	85110513.0	1985/08/21
3142	P0118ANL	An Apparatus And Method For Optimizing The Separation Of An Union	Germany	Granted	P,959,705.1	1987/09/30	85110513.0	1985/08/21
3142	P0118ANT	An Apparatus And Method For Optimizing The Separation Of An Union	Netherlands	Granted	0,176,925	1987/09/30	85110513.0	1985/08/21
3142	P0118ACH	An Apparatus And Method For Optimizing The Separation Of An Union	Japan	Granted	2,075,811	1986/07/25		
3142	P0118AGB	An Apparatus And Method For Optimizing The Separation Of An Union	Switzerland	Granted	0,176,925	1987/09/30	85110513.0	1985/08/21
3142	P0118A	An Apparatus And Method For Optimizing The Separation Of An Union	Great Britain	Granted	0,176,925	1987/09/30	85110513.0	1985/08/21
3143	P0119A	Apparatus And Method For Optimizing Separation Of A Sample	United States	Granted	4,579,663	1988/04/01	061,853,256	1984/09/24
3162	P0120A	Light Detector Apparatus	United States	Granted				
3163	P0121A	Sample Cell Temperature Stabilizer	United States	Granted	5,073,345	1987/12/17	067,533,370	1985/07/08
3173	P0123AEP	Compensator Plate Adjustment For Beam Splitter	United States	Granted	4,589,477	1988/05/20	061,676,660	1984/08/09
3173	P0123ABE	Compensator Plate Adjustment For Beam Splitter	Europe	Granted	0,137,206	1987/10/23	84108507.8	1984/08/09
3173	P0123AFR	Compensator Plate Adjustment For Beam Splitter	Belgium	Granted	0,137,206	1987/10/23	84108507.8	1984/08/09
3173	P0123ADE	Compensator Plate Adjustment For Beam Splitter	France	Granted	0,137,206	1987/10/23	84108507.8	1984/08/09
3173	P0123ANL	Compensator Plate Adjustment For Beam Splitter	Germany	Granted	P,346,398.25	1987/10/23	84108507.8	1984/08/09
3173	P0123AJP	Compensator Plate Adjustment For Beam Splitter	Netherlands	Granted	0,137,206	1987/10/23	84108507.8	1984/08/09
3173	P0123A	Compensator Plate Adjustment For Beam Splitter	Italy	Granted	0,137,206	1987/10/23	84108507.8	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	0,137,206	1991/10/12/3	04109507.8	1994/08/09	
3173	P0123AGB	Compensator Plate Adjustment For Beam Splitter	Great Britain	Granted	0,137,206	1991/10/12/3	04109507.8	1994/08/09	
3173	P0123A	Assembly For Adjusting An Optical Element	United States	Granted	4,735,505	1989/04/05	08/627.985	1993/06/30	
3175	P0124ABE	Purge Shutter Mechanism	Belgium	Granted	0,444,539	1989/04/09			
3175	P0124ADE	Purge Shutter Mechanism	Germany	Granted	347,933.1	1988/04/08			
3175	P0124ANL	Purge Shutter Mechanism	Netherlands	Granted	0,144,539	1989/04/08			
3175	P0124AAT	Purge Shutter Mechanism	Italy	Granted	0,144,539	1989/04/08			
3175	P0124AJP	Purge Shutter Mechanism	Japan	Granted	1,772,551	1993/07/14			
3175	P0124ACH	Purge Shutter Mechanism	Switzerland	Granted	0,144,539	1989/04/08			
3176	P0125AEP	Digital Control For Rapid Roll Of A Liquid Chromatograph	United States	Granted	4,603,635	1986/03/05	08/548.952	1993/11/06	
3176	P0125AFR	Digital Control For Rapid Roll Of A Liquid Chromatograph	Europe	Granted	0,194,450	1991/10/12/3	05101623	1996/02/07	
3176	P0125ADE	Digital Control For Rapid Roll Of A Liquid Chromatograph P	France	Granted	0,194,450	1991/10/12/3			
3176	P0125ANL	Digital Control For Rapid Roll Of A Liquid Chromatograph	Germany	Granted	35,770,29.8	1991/10/12/3	30/77029	1991/10/12/3	
3176	P0125AAT	Digital Control For Rapid Roll Of A Liquid Chromatograph	Netherlands	Granted	0,194,450	1991/10/12/3			
3176	P0125AJP	Digital Control For Rapid Roll Of A Liquid Chromatograph	Italy	Granted	0,194,450	1991/10/12/3			
3178	P0125ACH	Digital Control For Rapid Roll Of A Liquid Chromatograph	Japan	Granted	1,979,685	1993/10/12/3			
3178	P0125ASE	Digital Control For Rapid Roll Of A Liquid Chromatograph	Sweden	Granted	0,194,450	1991/10/12/3			
3178	P0125AGH	Digital Control For Rapid Roll Of A Liquid Chromatograph P	Switzerland	Granted	0,194,450	1991/10/12/3			
3178	P0125ACB	Digital Control For Rapid Roll Of A Liquid Chromatograph P	Great Britain	Granted	1,991/10/12/3				
3178	P0125A	Digital Control For Rapid Roll Of A Liquid Chromatograph P	United States	Granted	4,643,640	1987/02/17	06/700.785	1995/02/11	
3195	P0126AEP	Interferometer Mirror Adjustment	Europe	Granted	0,156,173	1989/11/02	85103202	1995/03/19	
3196	P0126AFR	Interferometer Mirror Adjustment	France	Granted	0,156,173	1989/11/02			
3196	P0126ADE	Interferometer Mirror Adjustment	France	Granted	0,156,173	1989/11/02			
3196	P0126AJP	Interferometer Mirror Adjustment	Japan	Granted	3,976,664	1995/05/30	35/4050	1999/11/02	
3196	P0126AGB	Interferometer Mirror Adjustment	Great Britain	Granted	0,156,173	1989/11/02			
3196	P0126A	Assembly For Positioning An Optical Element	United States	Granted	4,621,899	1996/11/11	06/598.768	1994/10/09	
3213	P0128AEP	Micro Argon Detector	Europe	Granted	0,184,632	1992/08/19	85305195.8	1995/07/22	
3213	P0128AFR	Micro Argon Detector	France	Granted	0,184,632	1992/08/19	85305195.8	1995/07/22	
3213	P0128ADE	Micro Argon Detector	Germany	Granted	0,184,632	1992/08/19	85305195.8	1995/07/22	
3213	P0128ANL	Micro Argon Detector	Netherlands	Granted	0,184,632	1992/08/19	85305195.8	1995/07/22	
3213	P0128AJP	Micro Argon Detector	Japan	Granted	1,890,498	1995/10/23	27/8392/65	1995/12/13	
3213	P0128ACH	Micro Argon Detector	Switzerland	Granted	0,184,632	1992/08/19	85305195.8	1995/07/22	
3213	P0128AGB	Micro Argon Detector	Great Britain	Granted	0,184,632	1992/08/19	85305195.8	1995/07/22	
3213	P0128A	Ionization Detector For Gas Chromatography	United States	Granted	4,740,895	1992/04/26	06/787.563	1995/07/22	
3234	P0129A	Apertures For Controlling A Plasma	United States	Granted	4,609,810	1990/09/02	06/624.313	1994/06/26	
3255	P0130AEP	Liquid Chromatographic Cartridge Column System	Europe	Granted	0,161,493	1992/05/20	85104441.2	1995/04/12	
3255	P0130AFR	Liquid Chromatographic Cartridge Column System	France	Granted	0,161,493	1992/05/20	85104441.2	1995/04/12	
3255	P0130ADE	Liquid Chromatographic Cartridge Column System	Germany	Granted	0,161,493	1992/05/20	85104441.2	1995/04/12	
3255	P0130ANL	Liquid Chromatographic Cartridge Column System	Netherlands	Granted	0,161,493	1992/05/20	85104441.2	1995/04/12	
3255	P0130AJP	Liquid Chromatographic Cartridge Column System	Japan	Granted	2,574,045	1993/07/27	158/95394	1993/05/07	
3255	P0130ACH	Liquid Chromatographic Cartridge Column System	Switzerland	Granted	0,161,493	1992/05/20	85104441.2	1995/04/12	
3255	P0130AGB	Liquid Chromatographic Cartridge Column System	Great Britain	Granted	0,161,493	1992/05/20	85104441.2	1995/04/12	
3255	P0130A	Liquid Chromatographic Cartridge Column System	United States	Granted	4,587,014	1996/05/06	06/507.978	1994/05/07	
3256	P023AEP	Polymerizer For Multi-Element Analysis	Europe	Granted	0,282/04.3	1989/10/02			
3256	P023AFR	Polymerizer For Multi-Element Analysis	Europe	Granted	0,135/4.96	1991/10/102	85101457	1995/02/11	
3256	P023A	Polymerizer For Multi-Element Analysis	United States	Granted	4,798,257	1990/10/03	07/024.237	1997/03/10	
3258	P0131AEP	Dual Servo Impedance Matching System For Icp Spectroscopy	France	Granted	0,155/4.96	1991/10/102			
3258	P0131ADE	Dual Servo Impedance Matching System For Icp Spectroscopy	Germany	Granted	0,155/4.96	1991/10/102			
3258	P0131AAT	Dual Servo Impedance Matching System For Icp Spectroscopy	Italy	Granted	0,155/4.96	1991/10/102			
3258	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	Japan	Granted	2,111,789	1993/10/102	35/80891	1991/10/120	
3258	P024A	Section Gating Generator	United States	Granted	5,100,187	1996/01/22	610/90/93	1995/02/28	
3258	P0131AGB	Dual Servo Impedance Matching System For Icp Spectroscopy	Great Britain	Granted	0,155/4.96	1991/10/102			
3258	P0131A	Plasma Emission Source	United States	Granted	4,629,940	1996/12/16			
3258	P024SEEP	Correction Of Spectra For Stray Radiation	Europe	Granted	0,629,940	1996/02/05			
4314	P024SEFR	Correction Of Spectra For Stray Radiation	France	Granted	0,629,940	1996/02/05			
4314	P024SEFR	Correction Of Spectra For Stray Radiation	France	Granted	0,629,940	1996/02/05			

4314	P0245ADE	Correction Of Spectra For Stray Radiation	Germany	Granted	6941222.1	1988/04/05		
3259	P0132AEP	Multiple Streams Sampling System	Europe	Granted	0154184	1991/08/25		
4314	P0245AJP	Correction Of Spectra For Stray Radiation	Japan	Pending			31368694	1994/12/16
3259	P0132ADE	Multiple Streams Sampling System	Germany	Granted	3594175.3	1991/09/25		
3259	P0132ASE	Multiple Streams Sampling System	Sweden	Granted	0154184	1991/09/25		
4314	P0245AGB	Correction Of Spectra For Stray Radiation	Great Britain	Granted	0658751	1998/02/05	94119876.4	1994/12/15
3259	P0132ACH	Multiple Streams Sampling System	Switzerland	Granted	0154184	1991/09/25		
4314	P0245A	Correction Of Spectra For Stray Radiation	United States	Granted	5428558	1995/06/27	04/188,800	1993/12/17
3259	P0132A	Apparatus For Periodically Monitoring Composition Of Samples	United States	Granted	4674639	1997/07/07	06/585,797	1984/03/02
3259	P0132A	Synchronous Wavelength Drive And Data Acquisition Conversion	United States	Granted	4660877	1997/04/28	06/004,344	1985/02/22
3259	P0132A	Safety Apparatus For An Atomic Absorption Spectro Burner	United States	Granted	4664267	1996/02/04	06/670,711	1984/11/13
3259	P0132A	Self-Sprung Lampholder	United States	Granted	4597034	1996/06/24	06/670,715	1984/11/13
3259	P0132A	Self-Sprung Lampholder	Europe	Granted	0104283	1991/12/04	85305195.1	1985/07/22
3307	P0138AEP	Programmed Temperature Control Of A Thermal System	France	Granted	0104283	1991/12/04	85305195.1	1985/07/22
3307	P0138AFR	Programmed Temperature Control Of A Thermal System	Germany	Granted	03584824.3	1991/12/04	85305195.1	1985/07/22
3307	P0138ADE	Programmed Temperature Control Of A Thermal System	Netherlands	Granted	0104283	1991/12/04	85305195.1	1985/07/22
3307	P0138AJP	Programmed Temperature Control Of A Thermal System	Japan	Granted	2033583	1996/03/19	27238165	1985/12/03
3307	P0138ACH	Programmed Temperature Control Of A Thermal System	Switzerland	Granted	0104283	1991/12/04	85305195.1	1985/07/22
3307	P0138AGB	Programmed Temperature Control Of A Thermal System	Great Britain	Granted	4752216	1991/12/04	85305195.1	1985/07/22
3307	P0138A	Programmed Temperature Control Of A Thermal System	United States	Granted	4837441	1996/06/21	06/930,982	1986/11/13
3309	P0139A	Ionization Detectors For Gas Chromatography	United States	Granted	4837441	1996/06/21	06/922,585	1986/10/24
3309	P0139AGB	Ionization Detectors For Gas Chromatography	Great Britain	Granted	2183697	1996/07/11	8528765.6	1985/02/20
3312	P0140AJP	Linearized Ultra-Low Noise Mic Preamp	Germany	Granted	3605498	1995/05/24	3605498	1986/02/20
3312	P0140AGB	Detector Pre-Amplifier	Japan	Granted	2068543	1996/07/10	3540946	1986/02/21
3312	P0140A	Detector Pre-Amplifier For Use with a MCT Detector	Great Britain	Granted	2171512	1999/01/25	8601993.9	1986/01/28
3313	P0141A	Fluid Flow Control System	United States	Granted	4682022	1997/07/21	06/004,335	1985/02/21
2445	P0256ADE	Optical Beam Switching Apparatus	Germany	Granted	4617853	1986/10/21	06/670,714	1984/11/13
2445	P0256AJP	Optical Beam Switching Apparatus	Italy	Granted	1151527	1986/02/03	2428145	1976/06/27
2445	P0256AGB	Optical Beam Switching Apparatus	Great Britain	Granted	1599348	1976/05/20		
3321	P0257AJP	System For Changing Odors In a Spectrophotometer	United States	Granted	4571172	1986/02/16	06/670,713	1984/11/13
2515	P0257AGB	Phase Synchronization	Japan	Granted	1711151	1992/11/11	962482	1992/01/26
2515	P0257A	Phase Synchronization Apparatus	Great Britain	Granted	3209288	1984/04/22	8131707.5	1981/10/21
2515	P0257A	Phase Synchronization Apparatus	United States	Granted	4306852	1984/06/07	06/229,693	1981/01/29
2515	P0257A	Phase Synchronization Apparatus	Japan	Granted	1670082	1992/06/12	1675381	1981/02/06
2515	P0257A	Phase Synchronization Apparatus	Great Britain	Granted	2070235	1984/02/01	8103968.4	1981/02/02
2515	P0257A	Phase Synchronization Apparatus	Australia	Granted	584477	1985/12/12	8437162	1982/06/01
2515	P0257A	Phase Synchronization Apparatus	France	Granted	0178349	1989/05/24		
2515	P0257A	Phase Synchronization Apparatus	Europe	Pending				
2515	P0257A	Phase Synchronization Apparatus	Germany	Granted	3570527.2	1989/05/24	90101324.3	1990/01/23
2515	P0257A	Phase Synchronization Apparatus	Netherlands	Granted	0178349	1989/05/24	3570527	1989/05/24
2515	P0257A	Phase Synchronization Apparatus	Switzerland	Granted	0178349	1989/05/24		
2515	P0257A	Phase Synchronization Apparatus	Great Britain	Granted	0178349	1989/05/24		
2515	P0257A	Phase Synchronization Apparatus	United States	Granted	4541452	1985/09/17	06/659,374	1984/10/10
2515	P0257A	Phase Synchronization Apparatus	Japan	Pending	3053832	2000/04/07	3854300	1990/01/16
2515	P0257A	Phase Synchronization Apparatus	Europe	Granted	0249714	1992/06/17	87105713.9	1987/04/16
2515	P0257A	Phase Synchronization Apparatus	France	Granted	0249714	1992/06/17	87105713.9	1987/04/16
2515	P0257A	Phase Synchronization Apparatus	Germany	Granted	0249714	1992/06/17	87105713.9	1987/04/16
2515	P0257A	Phase Synchronization Apparatus	Netherlands	Granted	0249714	1992/06/17	87105713.9	1987/04/16
2515	P0257A	Phase Synchronization Apparatus	Canada	Granted	2007782	2000/10/14	2007782	1990/01/15
2515	P0257A	Phase Synchronization Apparatus	Italy	Granted	0249714	1992/06/17	87105713.9	1987/04/16
2515	P0257A	Phase Synchronization Apparatus	Japan	Granted	2574289	1996/10/24		
2515	P0257A	Phase Synchronization Apparatus	Sweden	Granted	0249714	1992/06/17	87105713.9	1987/04/16
2515	P0257A	Phase Synchronization Apparatus	Great Britain	Granted	0249714	1992/06/17	87105713.9	1987/04/16
2515	P0257A	Phase Synchronization Apparatus	United States	Granted	4873062	1993/10/17	070004,610	1987/01/09
4369	P0042AAU	Nebulizer	Australia	Granted	707363	1999/07/08	2501195	1995/07/14

3366	P016AEP	Automatic Optimization Procedure	Europe	Granted	0192201	1992/07/29	53844/96	1986/02/20
3366	P016AAU	Automatic Optimization Procedure	Australia	Granted	586,853	1988/07/27	53844/96	1986/02/20
3369	P016ACA	Automatic Optimization Procedure	Canada	Granted	1,271,342	1990/07/10	500,841	1985/01/31
3369	P016ADE	Automatic Optimization Procedure	Germany	Granted	39,651,75.8	1982/07/28		
3369	P016ANL	Automatic Optimization Procedure	Netherlands	Granted	0192201	1992/07/28		
3369	P016ANT	Automatic Optimization Procedure	Italy	Granted	0192201	1992/07/28		
3369	P016ALP	Automatic Optimization Procedure	Japan	Granted	1,911,192	1995/03/05	85408/18	1985/02/21
3369	P016ACH	Automatic Optimization Procedure	Switzerland	Granted	0192201	1992/07/28		
3369	P016A	Optimization Apparatus and Procedure	United States	Granted	4,689,754	1987/08/25	06/04,358	1985/02/21
3316	P019AAU	Atomic Absorption Spectrometer	Australia	Granted	502,261	1989/03/16	60856/06	1985/08/07
3316	P019A	Atomic Absorption Spectrometer	Japan	Granted	2,118,078	1986/12/06		
3322	P020AAU	Gas Control Device For Controlling The Fuel Gas	United States	Granted	4,991,960	1991/02/12	06/93,766	1986/08/06
3377	P0167A	Gas Control Device For Controlling The Fuel Gas	Japan	Granted	2,016,021	1986/02/19	1917/07/05	1985/02/18
3377	P0167A	Gas Control Device For Controlling The Fuel Gas	United States	Granted	4,689,324	1987/08/02	06/053,263	1986/04/17
3362	P0203A	Burner Assembly For Atomic Absorption Spectrometer	United States	Granted	4,776,594	1988/10/11	06/932,957	1986/11/19
3377	P0167ALP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Japan	Granted				
4041	P0175A	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	5,053,621	1991/10/01	07/16,123	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	07/89,150	1989/08/02
4014	P0023A	Pulver Homing Mechanism For Use In Chromatography	United States	Granted	5,360,585	1996/11/01	07/504,826	1990/04/05
4070	P0031A	Single Element Thermal Conductivity Detector	United States	Granted	5,265,459	1993/11/20	07/748,548	1991/08/22
4037	P0025A	Circuit For Heating And Sensing With A Single Element	United States	Granted	5,093,198	1992/03/24	07/637,352	1991/01/04
2695	P0261AU	Optical Coupling Device	Australia	Granted	542,372	1985/02/21	76972/81	1981/10/30
2695	P0261ADE	Optical Coupling Device	Germany	Granted	317,932.7	1987/02/25	3179332	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	5,302,165	1994/04/12	07/16,448	1982/02/12
4317	P0041A	Hybrid Valving System For Varying Fluid Flow Rate	United States	Granted	5,329,985	1994/07/19	08/100,566	1993/07/30
4382	P0044A	Optical Spectrometer For Detecting Spectra In Separate Range	United States	Granted	5,365,983	1996/10/15	08/451,351	1985/05/26
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
3384	P0021A	3 Point Bending Measuring System	United States	Granted	4,976,162	1990/12/11	07/435,114	1988/11/13
4015	P0024C	Vial Loader And Sensor	United States	Granted	5,171,330	1992/12/15	07/803,689	1991/12/03
3382	P0084AEP	Integral Separation Capillary/Conductivity Detector	Europe	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/16
3342	P0084AFR	Integral Separation Capillary/Conductivity Detector	France	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/16
3382	P0084ADE	Integral Separation Capillary/Conductivity Detector	Germany	Granted	P3783788.2	1993/01/27	87/1057,12.1	1987/04/16
3382	P0084ANL	Integral Separation Capillary/Conductivity Detector	Netherlands	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/16
3382	P0084AIT	Integral Separation Capillary/Conductivity Detector	Italy	Granted	0241940	1993/01/27	87/1057,12.1	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	87/1057,12.1	1987/04/16
3382	P0084AGB	Integral Separation Capillary/Conductivity Detector	Great Britain	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/16
3401	P0260A	Method Of Fabricating Capillary Electro Separation Channels	United States	Granted	4,616,123	1988/02/28	07/051,808	1987/07/06
3433	P0267A	Gas-Liquid Finger Position Sensor For A Robot System	United States	Granted	4,682,805	1997/07/28	06/830,183	1986/02/18
3433	P0267A	Power Circuit For Spectral Analysis Gaseous Discharge Lamps	United States	Granted	4,716,342	1997/12/29	06/804,948	1986/12/05
3436	P0268A	Fluorescence Transduction Beaming	United States	Granted	4,726,679	1988/02/23	06/835,145	1986/03/03
3436	P0268A	Fluorescence Transduction Beaming	United States	Granted	4,684,611	1988/02/23	06/855,995	1986/04/25
3471	P0270A	System For Calibrating A Monochromator	United States	Granted	4,719,216	1988/10/10	06/857,438	1986/12/07
3480	P0271A	High Pressure Column Assembly For A Liquid Chromatograph	United States	Granted	4,876,005	1988/10/10	07/281,374	1986/02/10
3480	P0271AEP	High Pressure Column Assembly For A Liquid Chromatograph	Europe	Granted	0328146	1995/09/20	89/102,386.1	1986/02/10
3480	P0271AOE	High Pressure Column Assembly For A Liquid Chromatograph	Germany	Granted	P68924284.0	1995/09/20	89/102,386.1	1986/02/10
3480	P0271AGB	High Pressure Column Assembly For A Liquid Chromatograph	Great Britain	Granted	0328146	1995/09/20	89/102,386.1	1986/02/10
3314	P0272A	Programmable Lamp Plug	United States	Granted	4,670,813	1997/05/02	06/902,924	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						
	P0273ACB	Phase Angle Measurement	Great Britain						
2515	P0267ADE	Phase Synchronization	Germany						
3048	P0109AEP	Chromatography Column	Europe	Granted	0101662	1988/11/30	83107709	1983/09/04	
3578	P0085A	Regulated Deuterium Arc Supply System	United States	Granted	4,742,276	1988/05/03	06188,536	1986/07/25	
3936	P0280A	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	4,994,676	1991/02/19	07544,783	1990/06/25	
3936	P0280AAR	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Korea	Granted	141,585				
3956	P0276ADE	Variable Gain Amplifier	Germany	Granted	3307597	1989/06/29	3307597	1983/03/03	
2726	P0065AJP	Apparatus For Reducing Current Leakage From A Resistor	Japan	Granted	1,569,343	1990/07/10	51428/62	1980/03/31	
2685	P0261AEP	Optical Coupling Device	Europe	Granted	0051152	1987/02/25	81107860	1981/10/02	
2782	P027AAEP	Flowmeter System With Synchronous Clock For Generation Of Ti	Europe	Granted	0058136	1987/09/09	81110555	1981/12/17	
2851	P009AAEP	Optical Beam Splitter	Europe	Granted	0059836	1985/06/21	82100648,3	1982/01/28	
2873	P009BAEP	Apparatus Used With A Chromatography Column	Europe	Granted	0075689	1986/10/15	82108509	1982/07/19	
2899	P0103AEP	Spectrophotometer	Europe	Granted	0087568	1987/01/07	83100499,8	1983/01/20	
3007	P0108AEP	Liquid Level Sensor	Europe	Granted	0128120	1988/06/17	84106228,4	1984/05/30	
3111	P0114AEP	Sample Cool Temperature Stabilizer	Europe	Granted	0154792	1989/06/23	85100947,2	1985/01/30	
3331	P0144AEP	Pulse Damper	Europe	Granted	0156132	1988/10/05	85101252,6	1985/02/06	
2730	P027BAEP	Solvent Pressurizing & Degrassing System	Europe	Granted	0189349	1989/05/24	85112742	1985/10/08	
4006	P0034A	Multi-port Valve In Gas Collection System And Method	Europe	Granted	0185926	1992/09/30	85114718,1	1985/11/19	
4317	P0034A	Phonometric Instrument With Optical Fibers For Analyzing	United States	Granted	5,428,686	1995/06/27	080892,162	1983/07/15	
4432	P0031B	Hybrid Varying System For Varying Fluid Flow Rate	Australia	Granted	692,773	1990/05/01	86785184	1994/07/28	
4433	P0032A	Thermal Insulating Container For Liquefied Gas	United States	Granted	5,855,681	1997/06/12	08724,432	1996/10/01	
4434	P0033A	Connecting Apparatus For Conveyance Of Cryogenic Fluid	United States	Granted	5,762,381	1990/06/09	081656,535	1995/09/07	
4471	P0062A	Fuel Carrying Device With Removable Connection	United States	Granted	5,716,082	1998/02/10	081925,975	1995/09/07	
4012	P0281ADE	Mounting Apparatus For Induction Coupled Plasma Torch	Germany	Granted	5,825,265	1999/07/20	081950,775	1997/10/15	
3828	P0284AEP	Analysis Of Organic Material	Europe	Granted	4,135,021				
3703	P0285AEP	Thermal Conductivity Detector	Europe	Granted	0280335	1995/07/26	88102840,9	1988/02/26	
3638	P0286AEP	Inductively Coupled Plasma Torch With Sample Injector	Europe	Granted	0281986	1994/02/02	88103403,4	1988/03/04	
3637	P0287AEP	Power System For Inductively Coupled Plasma Torch	Europe	Granted	0281158	1994/01/12	88103413,6	1988/03/04	
3694	P0288AEP	Chromatography Column	Europe	Granted	0281157	1994/05/29	88103403,7	1988/03/04	
	P0290ADE		Germany	Granted	0287922	1993/03/10	88103748,3	1988/04/11	
	P0291AEP		Germany	Granted	283691	1990/10/17	3218687	1988/11/18	
0645	P0292ADE		France	Granted	7126944	1972/03/06	7126944	1971/07/13	
4589	P0296AEP	Computer Operated Spectrometric Instrument	Germany	Granted	39540755	1996/04/22	39540755,9	1995/10/06	
3527	P0297AEP	Low Frequency Signal Processing Circuitry	Europe	Published					
3809	P0300AEP	Monochromator Drift Compensation	Europe	Granted	0334303	1994/07/20	89103064,3	1989/03/21	
3772	P0301AEP	Standardization Of Spectral Lines	Europe	Granted	0344783	1994/03/02	89103948,3	1989/06/01	
	P0302AEP		Europe	Granted	0344782	1993/10/27	89103947,5	1989/06/01	
	P0303AEP		Europe						
	P0304AEP		Europe						
4098	P0307AEP	Method And Apparatus For Comparing Spectra	Europe	Granted	0535700	1987/03/26	92118913,2	1992/10/02	
4079	P0308AEP	Apparatus For Differential Analysis Of Sample Dielectric Pro	Europe	Granted	0558972	1993/09/08	93102168,7	1983/02/11	
4511	P0069B	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			09628,248	1989/08/28	
4592	P0074B	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			09628,242	1989/08/28	
4063	P0079AJP	Method Of Manufacturing Glass Beads	Japan	Granted	5,266,821			1992/11/18	
4498	P0067B	Backwashing System For Gas Chromatography	United States	Granted	5,933,357	1999/08/03	08651,789	1997/06/06	
3915	P0317AJP		Japan	Pending			01-508578	1989/07/27	
3913	P0318AJP		Japan	Pending			01-508455	1989/07/27	
4113	P0319AJP		Japan	Pending			05-263036	1993/09/28	
2730	P0279ADE	Multi-port Valve In Gas Collection System And Method	Germany	Granted	12386715,9	1992/09/30	88114718,1	1985/11/19	
3684	P0288ADE	Chromatography Column	Germany	Granted	123878970,1	1993/03/10	88103748,3	1988/04/11	
3772	P0301ADE	Standardization Of Spectral Lines	Germany	Granted	168810188,0	1993/10/27	89103947,5	1989/06/01	
2746	P0320ADE		Germany	Granted	3175277			1885/09/03	
3514	P0272ADE		Germany	Granted	3662749			1991/12/04	

3638	P0286ADE	Inductively Coupled Plasma Torch With Sample Injector	Germany	Granted	P3889662.4	1994/01/12	86103413.6	1988/02/04
3703	P0285ADE	Thermal Conductivity Detector	Germany	Granted	P3887541.1	1994/02/02	86103409.4	1988/02/04
3809	P0300ADE	Monochromator Drift Compensation	Germany	Granted	P6813359.6	1994/03/02	86103946.3	1988/06/01
3837	P0297ADE	Power System For Inductively Coupled Plasma Torch	Germany	Granted	P3850422.7	1994/06/28	86103403.7	1988/03/04
3837	P0297ADE	Low Frequency Signal Processing Circuitry	Germany	Granted	P68318624.1	1994/07/20	86105054.3	1988/03/21
3836	P0288ADE	Detector Cell For Spectrophotometer Used In Liquid Chromatography	Germany	Granted	P68822389	1993/07/12	86106263.1	1988/03/23
4088	P0307ADE	Method And Apparatus For Comparing Spectra	Germany	Granted	P68218636.4	1997/03/26	92116913.2	1992/10/02
4073	P0308ADE	Apparatus For Differential Analysis Of Sample Dielectric Properties	Germany	Granted	P68320217	1998/08/17	86102490.9	1988/02/26
4637	P0327A	Zero-Dilution Split Injector Liner For Gas Chromatography	United States	Pending			86/154.208	1989/08/16
4606	P0328A	Monitoring Components Of An Animal Organ Using Statistical	United States	Pending			86/444.875	1989/11/18
4607	P0329A	Hydro Film Type Sensor	United States	Pending			86/444.334	1989/11/18
4601	P0330A	Enclosure For Analytical Instrumentation	United States	Granted	D412.981	1999/08/17	28/054.988	1997/01/16
3809	P0300ADE	Detection Of Low Level Analytes In Samples Using Agglutination	United States	Granted	5.942.442	1999/08/24	08/831.206	1997/04/02
3809	P0300ADE	Monochromator Drift Compensation	Australia	Granted	612.847	1991/07/18	3587/4168	1989/06/01
3809	P0300ADE	Monochromator Drift Compensation	United States	Granted	4.916.645	1990/04/10	07/201.250	1988/05/02
3809	P0300ADE	Monochromator Drift Compensation	Canada	Granted	1.321.486	1993/08/24	601.458	1989/08/01
3828	P0018ADE	Circuit For Synchronizing Digital Signals With Alternating C	Germany	Granted	4.024.459	1991/02/07	P40224458.8	1990/08/01
3828	P0018ADE	Circuit For Synchronizing Digital Signals With Alternating Cur	Great Britain	Granted	2.235.937	1993/06/18	9016503.6	1986/07/27
4015	P0024ADE	Vial Locator And Sensor	Germany	Granted	P69108708.8	1995/05/17	91102281.2	1991/02/18
4015	P0024ADE	Vial Locator And Sensor	Europe	Granted	0444.498	1995/06/17	91102281.2	1991/02/18
4015	P0024ADE	Vial Locator And Sensor	Australia	Granted	640.453	1993/08/26	71933/91	1991/02/27
4010	P0031ADE	Single Element Thermal Conductivity Detector	Europe	Granted	0528285	1998/09/02	92112375.8	1992/07/20
4010	P0031ADE	Single Element Thermal Conductivity Detector	Germany	Granted	69228833.2	1998/08/02	92112375.8	1992/07/20
4010	P0031ADE	Apparatus For Differential Analysis Of Sample Dielectric Properties	United States	Granted	5.309.110	1994/06/03	07/845.994	1992/03/04
2730	P0278AGB	Detector Cell For Liquid Chromatography	Great Britain	Granted	0185928	1992/06/30	85114718.1	1985/11/19
3536	P0288AGB	3 Point Bending Measuring System	Great Britain	Granted	0325288	1995/07/12	89105263.1	1989/08/23
3984	P0021AGB	Vial Locator And Sensor	Great Britain	Granted	0428010	1994/06/01	90120855.5	1990/10/21
4015	P0024AGB	Standardizing And Calibrating A Spectrometric Instrument	Great Britain	Granted	0444488	1995/05/17	91102281.2	1991/02/18
4045	P0027AGB	Photodetector Amplified Linearity	Great Britain	Granted	0560006	1997/12/10	93100106.9	1993/01/07
4046	P0028AGB	Method Of Manufacturing Glass Beads	Great Britain	Granted	0552604	1997/04/09	93100102.8	1993/01/07
4073	P0308AGB	Apparatus For Differential Analysis Of Sample Dielectric Properties	Great Britain	Granted	2.261.659	1995/06/28	9223598.3	1992/11/11
4076	P0033AGB	Absorbance Correction In Atomic Absorption Spectroscopy	Great Britain	Granted	0558972	1998/08/12	93102166.7	1993/02/11
4081	P0033AGB	Method For Heating A Thermionic Detector Source	Great Britain	Granted	2.261.180	1995/08/02	9223548.0	1992/11/10
2856	P0276AGB	Variable Gain Amplifier	Great Britain	Granted	2.116.753	1996/01/29	9301066.5	1993/02/10
4086	P0031AGB	Double Beam Detector System For Liquid Chromatography	Germany	Granted	0528541	1996/04/17	92114331.9	1992/08/21
	P0031ADE	Photometric Instrument With Optical Fibers For Analyzing	Germany	Pending			P44224661.6	1994/07/14
	P0333A	Method For Processing A Sample	United States	Allowed			89/101.819	1989/10/20
	P0333ANL	Method For Processing A Sample	The Netherlands	Pending			1002130	1995/01/17
	P0333AWO	Method For Processing A Sample	PCT	Pending			PCT/ML/97/00005	1997/01/07
4462	P0326ACA	Detection Of Low Level Hydrophobic Analytes In Samples	Canada	Pending			2.285.282	1997/04/02
4462	P0326AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Europe	Published			98814440.7	1998/10/04
4462	P0326AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Japan	Pending			10-542004	1998/10/04
4462	P0326AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Australia	Published			6679638	1998/04/02
4501	P0330ACA	Detection Of Low Level Analytes In Samples Using Agglutination	Canada	Pending			12.285.219	1998/04/02
4501	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutination	Australia	Published			198814435.7	1998/10/04
4501	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutination	Japan	Pending			6679398	1998/04/02
4501	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutination	Europe	Pending			110-541899	1998/10/04
4501	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutination	United States	Pending			97/800480.1	1998/10/04
4462	P0326A	Detection Of Low Level Hydrophobic Analytes In Samples	United States	Granted	5.891.740	1999/04/06	08/632.168	1997/04/02
3729	P0335A	Detector For A Spectrometer	United States	Granted	4.820.048	1999/04/11	07/123.025	1997/11/19
4086	P0024BGB	Photometric Instrument With Optical Fibers For Analyzing	Great Britain	Granted	2.312.044	1994/01/21	9714780.5	1997/07/14
4588	P0327A	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			09/561.800	2000/04/27

4408	P0307AJP	Method And Apparatus For Comparing Spectra	Japan	Granted	5-209326	1993/08/20	4-287034	1992/10/02
4501	P0308	Detection Of Low Level Analyses In Samples Using Adjustment	United States	Pending			09/286,513	1999/03/12
	P0303A	Spectroscopic Determination Of The Dissociation Constants	United States	To File				
4449	P0304A	Non-Immunoassay Determination Of Protein-Ligand Interaction	United States	To File				
3808	P0262AAU	Electrothermal Vaporization Furnace For Spectroscopy	Australia	Granted	699,940	1996/07/05	18175/86	1996/08/20
4010	P0341A	Optical Switching Device	United States	Granted	5,086,866	1991/10/15	07/803,592	1990/10/25
4063	P0028A	Method Of Manufacturing Glass Beads	United States	Granted	5,198,009	1992/03/20	07/796,497	1991/11/22
4066	P0034B	Photometric Instrument With Optical Fibers For Analyzing	United States	Granted	5,526,451	1996/08/11	08/324,650	1994/10/18
3527	P0287A	Phase Angle Measurement	United States	Granted	4,905,683	1991/07/15	07/173,201	1996/03/24
3527	P0287AFR	Phase Angle Measurement	France	Granted	0334303	1994/07/20	89105064.3	1993/03/21
3527	P0287AT	Phase Angle Measurement	Italy	Granted	0334303	1994/07/20	89105064.3	1993/03/21
3527	P0287AJP	Phase Angle Measurement	Japan	Granted	1,316,831	1996/12/21	73716/89	1996/04/24
3527	P0287ACH	Phase Angle Measurement	Switzerland	Granted	0334303	1994/07/20	89105064.3	1993/03/21
3527	P0287AGB	Phase Angle Measurement	Great Britain	Granted	4,008,573	1996/08/19	07/119,594	1997/11/12
3602	P0016A	Line Frequency Slaved Voltage-To-Frequency Converter System	United States	Granted	0266682	1993/07/14	87115917.4	1997/10/29
3602	P0016AEP	Line Frequency Slaved Voltage-To-Frequency Converter System	Europe	Granted	0266682	1993/07/14	87115917.4	1997/10/29
3602	P0016AFR	Line Frequency Slaved Voltage-To-Frequency Converter System	France	Granted	0266682	1993/07/14	87115917.4	1997/10/29
3602	P0016ADE	Line Frequency Slaved Voltage-To-Frequency Converter System	Germany	Granted	P3/86522.6	1993/07/14	87115917.4	1997/10/29
3602	P0016ANE	Line Frequency Slaved Voltage-To-Frequency Converter System	Netherlands	Granted	0266682	1993/07/14	87115917.4	1997/10/29
3602	P0016ACH	Line Frequency Slaved Voltage-To-Frequency Converter System	Switzerland	Granted	0266682	1993/07/14	87115917.4	1997/10/29
3602	P0016AGB	Line Frequency Slaved Voltage-To-Frequency Converter System	Great Britain	Granted	4,795,614	1996/10/13	07/019,905	1997/10/29
3626	P0284A	Analysis Of Organic Material	United States	Granted	5,044,660	1991/09/03	07/118,713	1996/04/07
3626	P0284B	Analysis Of Organic Material	United States	Granted	5,013,628	1991/05/07	07/216,721	1996/07/13
3626	P0284C	Analysis Of Organic Material	Italy	Granted	0260335	1995/07/26	188102640.0	1996/02/26
3626	P0284AT	Analysis Of Organic Material	Japan	Granted	2,683,011	1997/08/08	142438/85	1996/02/26
3626	P0284AJP	Analysis Of Organic Material	Japan	Granted	2,730,624	1997/12/19	56189/97	1997/01/16
3626	P0284AGB	Analysis Of Organic Material	Japan	Pending	0260335	1995/07/26	88102940.0	1997/01/16
3637	P0287A	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	4,818,916	1997/03/06	07/022,838	1997/03/06
3637	P0287AFR	Power System For Inductively Coupled Plasma Torch	France	Granted	92081447	1994/06/29	81784/86	1996/03/04
3637	P0287AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	2,708,447	1997/10/17	51784/86	1996/03/04
3637	P0287AGB	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0261157	1994/06/29	88103400.7	1996/03/04
3638	P0286A	Inductively Coupled Plasma Torch With Sample Injector	United States	Granted	4,766,287	1994/01/12	88103413.6	1996/03/04
3638	P0286AFR	Inductively Coupled Plasma Torch With Sample Injector	France	Granted	0261158	1994/01/12	88103413.6	1996/03/04
3638	P0286AJP	Inductively Coupled Plasma Torch With Sample Injector	Japan	Granted	2,754,165	1994/03/13	51795/88	1996/03/07
3638	P0286AGB	Inductively Coupled Plasma Torch With Sample Injector	Great Britain	Granted	0261158	1994/01/12	88103413.6	1996/03/04
3664	P0288A	Chromatography Column	United States	Granted	4,812,979	1996/10/10	07/041,654	1997/04/22
3664	P0288AAU	Chromatography Column	Australia	Granted	699,926	1996/04/22	15092/86	1996/04/22
3664	P0288AFR	Chromatography Column	France	Granted	0267822	1993/03/10	88105748.3	1996/04/11
3664	P0288AIT	Chromatography Column	Italy	Granted	0267822	1993/03/10	88105748.3	1996/04/11
3664	P0288AJP	Chromatography Column	Japan	Granted	2,644,269	1997/03/02	96977/88	1996/04/21
3664	P0288AGB	Chromatography Column	Great Britain	Granted	0267822	1993/03/10	88105748.3	1996/04/11
3664	P0288B	Method Of Assembling A Chromatography Column	United States	Granted	4,995,163	1991/02/26	88105748.3	1996/04/11
3703	P0285A	Thermal Conductivity Detector	Italy	Granted	4,813,267	1996/03/21	07/022,147	1997/03/05
3703	P0285AJP	Thermal Conductivity Detector	Japan	Granted	0261986	1994/02/02	88103409.4	1996/03/04
3703	P0285AGB	Thermal Conductivity Detector	Great Britain	Granted	0261986	1994/02/02	88103409.4	1996/03/04
3729	P0335AEP	Detector For A Spectrometer	Europe	Granted	0316802	1994/04/06	1996/11/11	1996/11/11
3729	P0335AJP	Detector For A Spectrometer	Australia	Granted	625,233	1992/10/26	75668/86	1996/11/18
3729	P0335ACA	Detector For A Spectrometer	Canada	Granted	1,321,894	1993/09/07	581,269	1996/10/26
3729	P0335AFR	Detector For A Spectrometer	France	Granted	0316802	1994/04/06	88110828.8	1996/11/11
3729	P0335ADE	Detector For A Spectrometer	Germany	Granted	P388925.0	1994/04/06	88110828.8	1996/11/11
3729	P0335AIT	Detector For A Spectrometer	Italy	Granted	0316802	1994/04/06	88110828.8	1996/11/11
3729	P0335AJP	Detector For A Spectrometer	Japan	Granted	2,760,816	1996/03/20	750338/88	1996/11/18
3729	P0335AGB	Detector For A Spectrometer	Great Britain	Granted	0316802	1994/04/06	88110828.8	1996/11/11

3729	P0335ANL	Detector For A Spectrometer	Netherlands	Granted	0316802	1994/04/05	08118828.8	1988/11/11
3772	P0301A	Standardization Of Spectral Lines	United States	Granted	4,893,259	1990/01/09	07201,510	1988/06/02
3772	P0301AAN	Standardization Of Spectral Lines	Australia	Granted	616,524	1991/10/31	3587318.9	1988/06/01
3772	P0301ACA	Standardization Of Spectral Lines	Canada	Granted	1,325,628	1993/12/23	601,317	1988/05/21
3772	P0301AFR	Standardization Of Spectral Lines	France	Granted	0344782	1993/10/27	18910847.5	1989/06/01
3772	P0301AT	Standardization Of Spectral Lines	Italy	Granted	0344782	1993/10/27	18910947.5	1989/06/01
3772	P0301AJP	Standardization Of Spectral Lines	Japan	Granted	02-51031	1993/10/27	13383858.9	1989/06/02
3772	P0301AGB	Standardization Of Spectral Lines	Great Britain	Granted	0344782	1993/10/27	8910947.5	1989/06/01
3808	P0262ADE	Electrothermal Atomization Furnace For Spectrometry	Europe	Granted	0285687	1994/03/16	88109582.2	1988/06/16
3808	P0262ADE	Electrothermal Atomization Furnace For Spectrometry	Germany	Granted	P3088401.1	1994/03/16	88109582.2	1988/06/16
3808	P0262AJP	Electrothermal Atomization Furnace For Spectrometry	Japan	Pending	0285687	1994/03/16	88109582.2	1988/06/16
3808	P0262ACB	Electrothermal Atomization Furnace For Spectrometry	France	Granted	0285687	1994/03/16	1503930.88	1988/06/20
3809	P0300AFR	Manochromator Dirt Compensation	Great Britain	Granted	0344783	1994/03/02	88109948.3	1989/06/01
3809	P0300AJP	Manochromator Dirt Compensation	Italy	Granted	0344783	1994/03/02	88109948.3	1989/06/01
3809	P0300ACB	Manochromator Dirt Compensation	Great Britain	Granted	0344783	1994/03/02	88109948.3	1989/06/01
3809	P0300AJP	Manochromator Dirt Compensation	Japan	Pending			13939678.9	1989/06/02
4014	P0022ACB	Pumpjet Hosing Mechanism For Use In Chromatography	Great Britain	Granted	2,243,411	1993/08/25	8107025.8	1991/04/04
4015	P0022AFR	Valve Locals And Sensor	France	Granted	10444498	1993/05/17	81102281.2	1991/02/18
4015	P0022AJP	Valve Locals And Sensor	Netherlands	Granted	10444498	1993/05/17	81102281.2	1991/02/18
4015	P0022AJP	Valve Locals And Sensor	Italy	Granted	0444498	1993/05/17	81102281.2	1991/02/18
4015	P0022ACH	Valve Locals And Sensor	Switzerland	Granted	0444498	1993/05/17	91102281.2	1991/02/18
4056	P0331A	Double Beam Detector System For Liquid Chromatography	United States	Granted	5,173,742	1992/12/22	07751,415	1991/08/28
4056	P0331AEP	Double Beam Detector System For Liquid Chromatography	Europe	Granted	0528541	1998/04/17	92114331.8	1992/08/21
4056	P0331ADE	Double Beam Detector System For Liquid Chromatography	Germany	Granted	P63208936.0	1998/04/17	92114331.8	1992/08/21
4056	P0331AJP	Double Beam Detector System For Liquid Chromatography	Netherlands	Granted	0528541	1998/04/17	92114331.8	1992/08/21
4056	P0331AJP	Double Beam Detector System For Liquid Chromatography	Italy	Granted	0528541	1998/04/17	92114331.8	1992/08/21
4056	P0331ACH	Double Beam Detector System For Liquid Chromatography	Switzerland	Granted	0528541	1998/04/17	92114331.8	1992/08/21
4056	P0030ADE	Inductively Coupled Plasma Generator	Germany	Granted	P63301852.2	1996/04/27	93106923.1	1993/04/28
4057	P0030AEP	Inductively Coupled Plasma Generator	Europe	Granted	0568820	1996/04/27	93106923.1	1993/04/28
4057	P0030AFR	Inductively Coupled Plasma Generator	France	Granted	0568820	1996/04/27	93106923.1	1993/04/28
4057	P0030AJP	Inductively Coupled Plasma Generator	Italy	Granted	0568820	1996/04/27	93106923.1	1993/04/28
4057	P0030ACH	Inductively Coupled Plasma Generator	Great Britain	Granted	0568820	1996/04/27	93106923.1	1993/04/28
4088	P0307A	Method And Apparatus For Comparing Spectra	United States	Granted	5,308,982	1994/05/03	07936,518	1992/10/05
4088	P0307AFR	Method And Apparatus For Comparing Spectra	France	Granted	0535700	1997/04/26	92116913.2	1992/10/02
4088	P0307AJP	Method And Apparatus For Comparing Spectra	Netherlands	Granted	0535700	1997/04/26	92116913.2	1992/10/02
4088	P0307ACH	Method And Apparatus For Comparing Spectra	Switzerland	Granted	0535700	1997/04/26	92116913.2	1992/10/02
4088	P0307AGB	Method And Apparatus For Comparing Spectra	Great Britain	Granted	0535700	1997/04/26	92116913.2	1992/10/02
3807	P000BA	Electrothermal Atomization Of Samples	United States	Granted	4,896,443	1993/01/23	07208,936	1988/06/20
3807	P000BAGB	Electrothermal Atomization Of Samples	Great Britain	Granted	0286480	1992/11/19	08109581.4	1988/06/16
3807	P000BAU	Electrothermal Atomization Of Samples	Australia	Granted	602,098	1991/02/12	18174788	1988/06/20
3807	P000BAEP	Electrothermal Atomization Of Samples	Europe	Granted	0286480	1992/11/19	08109581.4	1988/06/16
3807	P000BAJP	Electrothermal Atomization Of Samples	Germany	Granted	P378018.5	1992/11/19	08109581.4	1988/06/16
3807	P000BAU	Electrothermal Atomization Of Samples	Netherlands	Granted	0286480	1992/11/19	08109581.4	1988/06/16
3536	P028BAF	Detector Cell For Liquid Chromatography	Japan	Granted	2,833,628	1993/04/25	15039270.8	1988/06/20
3536	P028BAJP	Detector Cell For Liquid Chromatography	United States	Granted	4,886,356	1993/12/12	07176,524	1988/06/20
3536	P028BAFR	Detector Cell For Liquid Chromatography	France	Granted	0335268	1993/07/12	8910563.1	1989/03/23
3536	P028BAJP	Detector Cell For Liquid Chromatography	Italy	Granted	0335268	1993/07/12	8910563.1	1989/03/23
3973	P002BA	Detector Cell For Liquid Chromatography	Netherlands	Granted	0335268	1993/07/12	8910563.1	1989/03/23
4046	P002BA	Quadrupole Mass Filter For Charged Particles	United States	Granted	4,985,626	1991/07/15	07462,245	1989/01/09
4076	P003JA	Absorbance Correction In Atomic Absorption Spectrometry	United States	Granted	5,228,838	1993/07/20	07823,631	1992/01/21
4317	P004IADE	Hybrid Valving System For Varying Fluid Flow Rate	Great Britain	Granted	5,315,528	1994/05/24	07801,990	1991/12/03
4317	P004IAFR	Hybrid Valving System For Varying Fluid Flow Rate	Germany	Published	0528785	1998/09/02	92112375.8	1992/07/20
4317	P004IAGB	Hybrid Valving System For Varying Fluid Flow Rate	France	Published			94109891.5	1994/06/27
4317	P004IAGB	Hybrid Valving System For Varying Fluid Flow Rate	Great Britain	Published			94109891.5	1994/06/27

2766	P00797A	Fluid Flow Control Device	United States	Granted	4,354,932	1982/10/19	06/19/2002	1980/10/15
4458	P00659A	Heater Control Circuit	United States	Granted	5,672,289	1997/09/20	09/59/210	1986/07/11
4443	P00656A	Apparatus For Controlling Level Of Cryogenic Liquid	United States	Granted	5,671,603	1997/09/20	09/59/210	1986/07/11
4435	P00654A	Dry Gas Curtain For Cryogenic Surface	United States	Granted	5,580,537	1997/09/20	09/59/210	1986/07/11
4431	P00650A	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	United States	Granted	5,876,118	1998/03/02	09/59/210	1986/07/11
4420	P00649A	Gas Chromatographic System With Controlled Sample Transfer	United States	Granted	5,711,765	1998/03/02	09/59/210	1986/07/11
4411	P00647A	Flow Regulation In Gas Chromatograph	United States	Granted	5,645,252	1998/03/02	09/59/210	1986/07/11
3522	P00600A	Gas Control Device For Controlling The Fuel Gas	United States	Granted	4,681,530	1997/07/21	05/06/442	1993/03/02
4073	P00588AJP	Differential Detector Analyzer	Japan	Pending				
3536	P00588AEP	Detector Cell	Europe	Granted	0,336,288	1996/07/12	09/59/210	1986/07/11
2856	P00776A	Optical Coupling Device	United States	Granted	4,494,212	1985/01/15	06/22/478	1984/07/06
2782	P00778A	Formular System With Synchronous Clock For Generation Of T1	United States	Granted	4,345,479	1982/09/24	06/22/478	1984/07/06
2730	P00779A	Multiport Valve In Gas Collection System And Method Of Use	United States	Granted	4,801,211	1986/07/22	06/68/058	1984/12/12
3536	P00788AJP	Low Cost Detector Cell	Japan	Granted	2,042,337	1999/11/24	19/62/89	1980/03/31
3535	P00788AEP	Detector Cell For Liquid Chromatography	Europe	Published	0628574		84109752.8	1989/03/23
4511	P0089C	Monitoring Constituents Of Air Animal Organ Using Statistical	United States	Pending			09/479,642	2000/01/07
5015	P0343A	Barcode Labeling Of ATD Tubes	United States	To File				
4479	P0064ACH	Analyzing Spectrometric Data	Switzerland	Granted	0034725		97117174.9	1987/10/02
4479	P0064ADE	Analyzing Spectrometric Data	Germany	Granted	0834725			
4479	P0064AFR	Analyzing Spectrometric Data	France		0834725			
4479	P0064AGB	Analyzing Spectrometric Data	Great Britain		0834725			
4479	P0064AIT	Analyzing Spectrometric Data	Italy		0834725			
4479	P0064ANL	Analyzing Spectrometric Data	Netherlands		0834725			
2730	P0079AJP	Multiport Valve In Gas Collection System And Method Of Use	Japan	Granted	1,038,029	1984/04/25	27/811/85	1985/12/12
4045	P0027ADE	Standardizing And Calibrating A Spectrometric Instrument	Germany	Granted	0560006		93100106.9	1983/01/07
4046	P0028ADE	Photodetector Amplifier Assembly	Germany	Granted	056308504	1997/04/09	93100102.8	1983/01/07
4076	P0033AAU	Absorbance Correction In Atomic Absorption Spectroscopy	Australia	Granted	654,088		2991482	
4137	P0039AAU	Grouping Of Spectral Bands For Data Acquisition	Australia	Granted	667,614		97938051.6	1987/07/28
4483	P0086AEP	Tunable External Cavity Diode Laser	Europe	Published				
4642	P0345A	Use Of Hg Lines From Hg Lamp For Wavelength Standardization	United States	To File				
	P0015AJP	Low Cost Detector Cell	Japan	Granted	3,016,789	1998/12/24	7875209	1989/12/24
4641	P0346A	Use Of Ne Lines For ICP Instrument Standardization	United States	To File				
	P0347A	Methods And Apparatus To Improve The Sensitivity	United States	Pending			09/193,874	2000/03/31
5003	P0348A	Apparatus And Methods For Bioluminescent Analytical Methods	United States	Pending			09/193,874	2000/03/31
5005	P0349A	Polymeric Sampling Syringe						
	P0350A	Polymeric Reagent Pad						
	P0351A	Sampling Device For Use In Automated Methods						
3824	P0009A	Arc Spray Gun For Coating Confined Areas	United States	Granted	4,853,513	1988/08/01	07/187,106	1988/04/28
3824	P0009ACA	Arc Spray Gun For Coating Confined Areas	Canada	Granted	1,314,944	1993/03/23	597,288	1988/04/28
3824	P0009AJP	Arc Spray Gun For Coating Confined Areas	Japan	Granted	2,164,470	1990/08/25	1-104,817	1988/04/28
3824	P0009AEP	Arc Spray Gun For Coating Confined Areas	Europe	Granted	0338650		89107686.1	1988/04/27
3824	P0009ACN	Arc Spray Gun For Coating Confined Areas	China	Granted	1039878			
3824	P0009ADE	Arc Spray Gun For Coating Confined Areas	Germany	Granted	6892646		89107686.1	1988/04/27
	P0032AJP							
5000	P0033A	Pedaling Of The Torch Glassware	United States	Pending			60/175,888	2000/01/13
3264	P0002A	Digital Gain Controlled Current To Voltage Amplifier	United States	Granted	4,689,877	1987/05/02	06/07/4,388	1988/02/22
	P0028ACH	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0026ADE	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0028AFR	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0028AGB	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0028AIT	Detection Of Low Level Hydrophobic Analyses In Samples						
4580	P0073AWO	Autosampler Having Gripper With Shape Memory Metal Actuator	PCI	Pending			PCI/US00/03756	2000/02/14
	P0071B	Autosampler	United States	Pending			09/518,466	2000/03/03
	P0045ADE	Nebulizer	Germany	Pending			65514870.2-08	1995/06/22
	P0047BAU	Flow Regulation In Gas Chromatograph	Australia	Pending			115/860	2000/02/18

4484	P0035AUF	Fluid Conveying Device With Removable Connection	Italy	Pending				
	P0035AFR	Fluid Conveying Device With Removable Connection	France	Pending				
	P0035ADE	Fluid Conveying Device With Removable Connection	Germany	Pending				
	P0035ACH	Fluid Conveying Device With Removable Connection	Switzerland	Pending				
	P0035AWO	Self Aligning Optical Fiber Terminator	PCT	Pending				
	P0357A	Non-Contacting Method of Cleaning Surfaces	United States	Granted	4,966,024	1990/09/11	PCT/US90/08697	2000/04/01
	P0357ACA	Non-Contacting Method of Cleaning Surfaces	Canada	Granted	1,315,923	1993/04/13	07/291,715	1998/08/07
	P0357AEP	Non-Contacting Method of Cleaning Surfaces	Europe	Granted	0324435	1990/07/19	891003469	1998/01/11
	P0357AJP	Non-Contacting Method of Cleaning Surfaces	Japan	Granted	1,225,125	1989/08/08	882,882	1989/01/11
	P0357ADE	Non-Contacting Method of Cleaning Surfaces	Germany	Granted	6800422	1993/11/04	809,422	1998/01/10
	P0358A	Scanning Array Spectrophotometer	United States	Granted	4,788,464	1990/01/17	06/038,658	1996/03/12
	P0359A	Method and Apparatus For Redefining Rotation	Germany	Granted	5,131,611	1992/01/21	891,935	1991/04/26
4368	P0042ADE	Nebulizer	United Kingdom	Granted	1693,320		P695144702	
4368	P0042AGB	Nebulizer	United Kingdom	Granted	1693,320		893,320	
4369	P0042ANL	Nebulizer	Netherlands	Granted	693,320		693,320	
4470	P0333AAU	Method For Processing A Sample	Italy	Granted	0520285	1998/09/02	92112315, 0	1992/07/20
3480	P0271AJP	High Pressure Column Assembly For A Liquid Chromatograph	Japan	Granted	2,678,879	1990/08/28	198,545	1988/05/16
	P0380A	Microtrophograph Apparatus	United States	Granted	4,952,858	1989/11/23	89104854, 4	1988/05/17
	P0380AEP	Microtrophograph Apparatus	Europe	Granted	0342639	1989/07/06	123,023	1988/05/18
	P0380AJP	Microtrophograph Apparatus	Japan	Granted	2,035,709	1990/02/06	599,723	1989/05/15
	P0380ACA	Microtrophograph Apparatus	Canada	Granted	1,304,173	1992/06/23	623,233	1990/05/17
	P0360ADE	Microtrophograph Apparatus	Germany	Granted	68925233	1996/02/08		
5007	P0361A	Design Of A Device For Sampling A Surface To Be Collected	United States	To File				
5005	P0362A	Payment Carrier For Reagents	United States	To File				
5004	P0363A	Low Cost Internal Calibration Standard	United States	To File				
3518	P0199AGB	Dual Photodiode Connection Of Background For Bioluminescence	Great Britain	Granted	2,180,044			
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	P0365A	Sanitization Swab And Swabbing Technique	United States	To File				
5013	P0367A	Dual Photodiode Connection Of Background For Bioluminescence	United States	To File				
5012	P0368A	Sanitization Detection Of Inhibitory Components	United States	To File				
4137	P0399ADE	Grouping Of Spectral Bands For Data Acquisition	Germany	Pending			694,24,082,6-08	
3526	P0201AGB	Device For Igniting A Flame In An Atomic Absorption Ectronet	Great Britain	Granted	2,180,328	1987/03/25	8851842	1986/09/10
3526	P0201ADE	Device For Igniting A Flame In An Atomic Absorption Ectronet	Germany	Granted	P3532537.2	1987/03/19	P3532537.2	1985/09/12
3522	P0200BDE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	3528547.3			
	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	1990/05/11	08/85,574	1997/11/205
4499	P0372AWO	Method Of Detecting Organisms In A Sample	United States	Pending				
5019	P0376A	RRT Compensation By Nucleon 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	Carbon-Free Electrochemical Sensor	United States	To File				
	P0380A	Electrochemical Sensor With Dry Nucleon	United States	To File				
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	RRT Compensation For Electrochemical Sensors With Different	United States	To File				