

09-25-2000

G.S.O.



PATENT

03141-P0139A WWW

101468854

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignor:	Perkin-Elmer Corporation
Assignee:	Perkin Elmer LLC
Patent No. 4,837,441	Issue Date: June 6, 1989
Title of Application:	Ionization Detectors for Gas Chromatography

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, located at 761 Main Avenue (M/S 317); 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.

4837441

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.

August 31, 2000

Danielle B. Dominici

09/22/2000 DNGUYEN 00000262 4837441

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PATENT  
REEL: 011089 FRAME: 0158

5. Patent Number: 4,837,441.
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,



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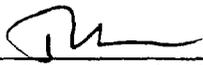
CONFIRMATORY ASSIGNMENT

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 18<sup>th</sup> 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 

Perkin Elmer No.	Model	Maker	EXHIBIT A	Country	Status	Registration Number	Issue Date	Serial Number	File ID#
0995	P0003ASE	Automatic Variable Filters For Use In Scanned Spectrometers	Sweden	Pending				11489-6	18730423
2103	P0004AJP	Flame Ionization Detector Status Indicator	Japan	Pending				160848	18761229
2132	P0005AJP	Detector Cell Assembly	Japan	Pending				6030506	18880423
2357	P0006AJP	High Resolution Stepping Motor Drive	Japan	Pending				279489087	19871106
3602 (HW/KUN05B)	P0016AJP	Ultrasonic Slaved Voltage-To-Frequency Converter System	Japan	Granted				02-205946	19000802
3828	P0018AJP	Circuit For Synchronizing Digital Signals	Japan	Granted				200004128	18880823
3808	P0019ADE	Application Of Kerman Filtering To ICP Spectra	Germany	Pending				P3927768-2	18880823
3973	P0020ADE	Quadrupole Mass Filter For Charged Particles	Germany	Pending				P4100046-3	19100103
3884	P0021AJP	3 Point Bending Measuring System	Japan	Allowed				2-30427	18901013
4014	P0022ADE	Purging Homing Mechanism For Use In Chromatography	Japan	Pending				P4100763-2	19910403
4015	P0023AJP	Purging Homing Mechanism For Use In Chromatography	Japan	Granted				3-7326409-1	19910405
4015	P0024ACA	Vial Locator And Sensor	Canada	Pending				2-035-916	19910207
4015	P0024AJP	Vial Locator And Sensor	Canada	Pending				3330279-1	19910227
4037	P0025AEP	Circuit For Heating And Sensing With A Single Element	Japan	Granted				5-104160	19930930
4037	P0025AJP	Circuit For Heating And Sensing With A Single Element	Japan	Granted				0498063	19911210
4045	P0027ACA	Standardizing And Calibrating A Spectrometric Instrument	Canada	Granted				4-310-830	19911226
4045	P0027AEP	Standardizing And Calibrating A Spectrometric Instrument	Europe	Pending				560-006	19930115
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted				97250178-7	19970809
4045	P0027AEP	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted				6-082-307	19930212
4045	P0027AEP	Standardizing And Calibrating A Spectrometric Instrument	Korea	Granted				193793	19930212
4046	P0028ACA	Photodetector Amplifier Linearity	Canada	Pending				193793	20000314
4046	P0028AJP	Photodetector Amplifier Linearity	Japan	Granted				2-087-821	189300121
4046	P0028AKR	Photodetector Amplifier Linearity	Japan	Granted				6-88745	189400229
4047	P0030AJP	Inductively Coupled Plasma Generator	Korea	Granted				247-171	19940118
4070	P0031AJP	Single Element Thermal Conductivity Detector	Japan	Pending				247-171	199401210
4091	P0033ADE	Absorbance Correction In Atomic Absorption Spectroscopy	Germany	Pending				5-223171	189309031
4091	P0033ADE	Method And Apparatus For Heating A Thermionic Diode, Source And Apparatus For Heating A Thermionic Diode, Source	Germany	Pending				P4240301-4	19921104
4126	P0035AJP	Sampling Conditioning Method & Apparatus	Japan	Granted				04-327513	19931008
4133	P0038ADE	Optical Switching Apparatus With Retroreflector	Europe	Pending				91903988-3	19931008
4133	P0038AJP	Optical Switching Apparatus With Retroreflector	Germany	Pending				19502431-1	19950126
4137	P0039ACA	Grouping Of Spectral Bands For Data Acquisition	Japan	Granted				38591795	19950227
4137	P0039AEP	Grouping Of Spectral Bands For Data Acquisition	Canada	Allowed				7-287-178	19950227
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Japan	Granted				0615115	19940217
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Europe	Granted				94103598-2	19940309
4317	P0041ACA	Hybrid Valving System For Varying Fluid Flow Rate	Canada	Allowed				3874094	19940309
4317	P0041AEP	Hybrid Valving System For Varying Fluid Flow Rate	Europe	Granted				2-126-496	199406122
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Japan	Granted				84108991-5	199406127
4389	P0042AEP	Nebulizer	Europe	Published				177025294	19940728
4389	P0042AJP	Nebulizer	Japan	Published				85108738-9	19950672
4382	P0044AEP	Optical Spectrometer For Detecting Spectra In Separate Range	Japan	Pending				18030495	18950717
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Australia	Granted				5248506	19960624
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Europe	Pending				96101280-1	19960624
4385	P0045AEP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending				13214396	19960527
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending				85821345-5	19950522
4385	P0045BEP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending				0803061	19950522
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending				8500987	19950522
4382	P0046AEP	Spectrometer With Selectable Radiation From Light Source	Australia	Granted				8500986	19961129
4382	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Japan	Granted				3431595	19961129
4382	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Europe	Pending				95116862-9	19951017
4411	P0047AEP	Flow Regulation In Gas Chromatograph	Japan	Pending				27101795	19951017
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Australia	Allowed				4580196	19951019
4411	P0047AEP	Flow Regulation In Gas Chromatograph	Canada	Pending				4580196	19960222
4411	P0047AEP	Flow Regulation In Gas Chromatograph	Europe	Pending				12-170-080	19960222
4411	P0047AEP	Flow Regulation In Gas Chromatograph	Europe	Pending				0730151	19960301

4411	P0047AJP	Flow Regulation In Gas Chromatograph	Japan	Pending				4535 106	1896/03/01
4412	P0047AEP	Solid State Inductively Coupled Plasma Generator	Europe	Pending	0253572			5732 1954 5	1897/12/12
4413	P0049AJP	Gas Chromatographic System With Controlled Sample Transfer	Japan	Published				10000481	1992/01/05
4414	P0049AEP	Gas Chromatographic System With Controlled Sample Transfer	Europe	Pending	0770489			96117016 4	1996/10/23
4415	P0050AJP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Japan	Pending				281138/06	1996/10/23
4416	P0050AEP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Europe	Granted	0778463			96118387 7	1996/12/03
4417	P0051AJP	Thermal Insulating Container For Liquefied Gas	Japan	Published	9 178 577			1997/07/11	1998/02/09
4418	P0051AEP	Thermal Insulating Container For Liquefied Gas	Europe	Published				96113491 3	1896/08/22
4419	P0052AJP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Japan	Pending	0778439			269944/06	1996/12/09
4420	P0052AEP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Europe	Pending				96119345 1	1896/12/09
4421	P0053AJP	Fluid Conveying Device With Removable Connection	Japan	Published	0762033			328554/06	1996/12/09
4422	P0053AEP	Fluid Conveying Device With Removable Connection	Europe	Published				96113490 5	1896/08/22
4423	P0054AJP	Dry Gas Curtain For Cryogenic Surface	Japan	Pending	0762094			269966/04	1996/10/05
4424	P0054AEP	Dry Gas Curtain For Cryogenic Surface	Europe	Pending				961108346 2	1896/07/04
4425	P0055AJP	Standardizing A Spectrometric Instrument	Japan	Pending				234440/04	1896/10/04
4426	P0055AEP	Standardizing A Spectrometric Instrument	Europe	Pending				971225538 6	1897/12/19
4427	P0056AJP	Apparatus For Controlling Level Of Cryogenic Liquid	United States	Granted	6 049 762			353550/07	1897/11/2722
4428	P0056AEP	Apparatus For Controlling Level Of Cryogenic Liquid	Europe	Granted				08/993 482	1897/12/18
4429	P0057AJP	Standardizing Between Analytical Instruments	Japan	Pending				96118286 9	1896/12/03
4430	P0057AEP	Standardizing Between Analytical Instruments	Europe	Pending	0651219			97122551 1	1897/12/19
4431	P0058AJP	Standardizing Of Chromatographic Systems	United States	Pending				3537 48/97	1897/11/2722
4432	P0058AEP	Standardizing Of Chromatographic Systems	Europe	Pending				08/893 489	1897/12/18
4433	P0059AJP	Heater Control Circuit	Japan	Granted	0678712			9810894 8	1896/05/14
4434	P0059AEP	Heater Control Circuit	Europe	Granted				1357 31/94	1896/05/18
4435	P0060AJP	Mounting Apparatus For Induction Coupled Plasma Torch	Japan	Pending	0910231			08/07 9 080	1897/01/08
4436	P0060AEP	Mounting Apparatus For Induction Coupled Plasma Torch	Europe	Pending				1082/87	1897/01/08
4437	P0061AJP	Ion Detector, Detector Array And Instrument Using Same	Japan	Granted	08998784			283630/98	1896/10/15
4438	P0061AEP	Ion Detector, Detector Array And Instrument Using Same	Europe	Granted				97920359 3	1896/10/15
4439	P0062AJP	Analyzing Spectrometric Data	Japan	Pending	0834726			9 537 249	1896/10/12
4440	P0062AEP	Analyzing Spectrometric Data	Europe	Pending				97117174 9	1897/10/02
4441	P0063AJP	Self Aligning Optical Fiber Terminator	United States	Granted	6 929 115			271050/97	1897/10/03
4442	P0063AEP	Self Aligning Optical Fiber Terminator	Europe	Granted				08/840 576	1897/09/30
4443	P0064AJP	Tunable External Cavity Diode Laser	United States	Pending				091285 262	1896/04/02
4444	P0064AEP	Tunable External Cavity Diode Laser	Europe	Pending				404669/97	1897/07/28
4445	P0065AJP	Tunable External Cavity Diode Laser	Canada	Pending				2 261 036	1897/07/28
4446	P0065AEP	Tunable External Cavity Diode Laser	Europe	Pending				1899/01/09	1896/10/15
4447	P0066AJP	Backscattering System For Gas Chromatography	Japan	Pending	0829717			97115631 4	1897/09/16
4448	P0066AEP	Backscattering System For Gas Chromatography	Europe	Pending				250877/97	1897/09/16
4449	P0067AJP	Method And Apparatus To Compensate For Gas Chromatography	Japan	Pending	0872732			981066/22 4	1896/04/15
4450	P0067AEP	Method And Apparatus To Compensate For Gas Chromatography	Europe	Pending				105122/98	1896/04/15
4451	P0070AJP	Autosampler	United States	Pending				60122 892	1896/03/05
4452	P0070AEP	Autosampler	Europe	Pending				091250 063	1896/02/12
4453	P0071AJP	Autosampler Having Gripper With Shape Memory Metal Actuator	United States	Granted	5 240 784			04 346/133	1992/12/02
4454	P0071AEP	Autosampler Having Gripper With Shape Memory Metal Actuator	Europe	Granted				87110775 1	1897/07/24
4455	P0072AJP	Absorbance Correction In Atomic Absorption Spectroscopy	Japan	Pending	0254326			091065 762	1896/04/23
4456	P0072AEP	Absorbance Correction In Atomic Absorption Spectroscopy	Europe	Pending				087292 597	1894/06/01
4457	P0073AJP	Computer Control Cable Multi-Port Valve	Japan	Granted	1 361 134			801208/9 5	1890/10/31
4458	P0073AEP	Computer Control Cable Multi-Port Valve	Europe	Granted				08/201 848	1894/07/25
4459	P0074AJP	Regulated Deuterium Arc System Supply	United States	Granted	5 548 387			08/028 515	1895/03/09
4460	P0074AEP	Regulated Deuterium Arc System Supply	Europe	Granted				22320/80	1890/07/26
4461	P0075AJP	Apparatus And Method For Differential Analysis Using Signals	United States	Pending	0428010				
4462	P0075AEP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending					
4463	P0076AJP	Optical Switching Apparatus With Retroreflector	United States	Granted	5 481 631				
4464	P0076AEP	Optical Switching Apparatus With Retroreflector	Europe	Granted					
4465	P0089AJP	Grouping Of Spectral Bands For Data Acquisition	United States	Granted	5 412 468				
4466	P0089AEP	Grouping Of Spectral Bands For Data Acquisition	Europe	Pending					
4467	P0091AJP	Automatic Temperature Calibration Of Thermal Analyzers	Japan	Granted					
4468	P0091AEP	Automatic Temperature Calibration Of Thermal Analyzers	Europe	Granted					
4469	P0094AJP	Deposited Glass Elements	United States	Granted					
4470	P0094AEP	Deposited Glass Elements	Europe	Granted					
4471	P0095AJP	Photometric Instrument With Optical Fibers For Analyzing Ion Detector, Detector Array And Instrument Using Same	Great Britain	Granted	2 260 026			9412352 8	1894/06/20
4472	P0095AEP	Photometric Instrument With Optical Fibers For Analyzing Ion Detector, Detector Array And Instrument Using Same	Europe	Published				PCT/US97/06077	1897/04/11

4472	P0063A	Ion Detector, Detector Array And Instrument Using Same	United States	Pending		09/18/01	1998/11/03
4493	P0066B	Tunable External Cavity Diode Laser	United States	Pending		09/25/01	1999/05/25
2714	P0093AFR	Solvent Delivery System	Europe	Granted	0085171	1988/04/13	02/11/77/3
2714	P0093ADE	Solvent Delivery System	France	Granted	0085171	1988/04/13	02/11/77/3
2714	P0093AML	Solvent Delivery System	Germany	Granted	P327632.2	1988/04/13	02/11/77/3
2714	P0093AT	Solvent Delivery System	Netherlands	Granted	0085171	1988/04/13	02/11/77/3
2714	P0093ALP	Solvent Delivery System	Italy	Granted	0085171	1988/04/13	02/11/77/3
2714	P0093ASE	Solvent Delivery System	Japan	Granted	1,764,707	1993/05/28	11/62/2/3
2714	P0093ASB	Solvent Delivery System	Sweden	Granted	0085171	1988/04/13	02/11/77/3
2714	P0093AGB	Solvent Delivery System	Switzerland	Granted	0085171	1988/04/13	02/11/77/3
2714	P0093A	Solvent Delivery System	Great Britain	Granted	4,556,367	1988/04/13	02/11/77/3
2765	P0096AFR	Spectrophotometer Gas Control System	United States	Granted	0069204	1987/09/18	
2766	P0097AGB	Fluid Flow Control Device	France	Granted	2,085,614	1984/08/20	8,125/8/3, 1
2851	P0098ADE	Optical Beam Splitter	Great Britain	Granted	P3265493.6	1985/08/21	02/10/64/8, 3
2851	P0098ALP	Optical Beam Splitter	Germany	Granted	1,792,016	1993/10/14	34,115/8/2
2851	P0098AGB	Optical Beam Splitter	Japan	Granted	0059836	1985/08/21	02/10/64/8, 3
2851	P0098A	Optical Beam Splitter	Switzerland	Granted	0059836	1985/08/21	02/10/64/8, 3
2873	P0099ADE	Apparatus Useful With A Chromatography Column	United States	Granted	4,487,477	1984/12/11	064/70/427
2873	P0099AGB	Apparatus Useful With A Chromatography Column	Germany	Granted	P3277842.0	1986/10/15	02/10/65/09, 1
2772	P0100ADE	Apparatus And Method Useful For Analyzing Refractory Substances	Switzerland	Granted	0075689	1986/10/15	02/10/65/09, 1
2772	P0100ALP	Apparatus Useful For Analyzing Refractory Substances	Great Britain	Granted	0075689	1986/10/15	02/10/65/09, 1
2780	P0101A	Apparatus Useful For Packaging A Light Filter	Germany	Granted	3205580	1993/06/13	3205580
2876	P0102AEP	Control Circuit For Liquid Chromatograph	United States	Granted	1,676,951	1992/08/26	22,12/2/82
2876	P0102AFR	Control Circuit For Liquid Chromatograph	Japan	Granted	4,400,354	1986/08/23	062/35, 7/81
2876	P0102ADE	Control Circuit For Liquid Chromatograph	Europe	Granted	4,419,575	1986/12/06	00/269,305
2876	P0102AIF	Control Circuit For Liquid Chromatograph	France	Granted	0085172	1987/11/11	02/11/72/0, 7
2876	P0102AJP	Control Circuit For Liquid Chromatograph	Germany	Granted	0085172	1987/11/11	02/11/72/0, 7
2876	P0102ASE	Control Circuit For Liquid Chromatograph	Italy	Granted	1,755,762	1992/04/23	1068/7/83
2876	P0102ACH	Control Circuit For Liquid Chromatograph	Sweden	Granted	0085172	1987/11/11	02/11/72/0, 7
2876	P0102AGB	Control Circuit For Liquid Chromatograph	Switzerland	Granted	0085172	1987/11/11	02/11/72/0, 7
2876	P0102A	Control Circuit For Liquid Chromatograph	Great Britain	Granted	4,450,574	1987/11/11	02/11/72/0, 7
2898	P0103AFR	Spectrophotometer	United States	Granted	0087588	1984/05/22	007/843, 805
2898	P0103ADE	Spectrophotometer	France	Granted	0087588	1987/01/07	831004/89, 9
2898	P0103AGB	Spectrophotometer	Germany	Granted	P3368984.9	1987/01/07	831004/89, 9
2898	P0103A	Spectrophotometer	Great Britain	Granted	0087588	1987/01/07	831004/89, 9
2898	P0104FR	Liquid Level Sensor	United States	Granted	4,464,051	1984/08/07	007/954, 254
2898	P0104ADE	Liquid Level Sensor	Germany	Granted	P3473508.7	1984/08/07	04106/228, 4
2898	P0104ACH	Liquid Level Sensor	Switzerland	Granted	0129120	1988/02/17	84106/228, 4
2898	P0104AGB	Liquid Level Sensor	Great Britain	Granted	0129120	1988/02/17	84106/228, 4
2898	P0104A	Liquid Level Sensor	United States	Granted	4,532,799	1985/02/06	007/906, 232
2894	P0105A	Control Circuit For Stepper Motor	United States	Granted	4,417,188	1985/02/06	007/944, 247
3007	P0106ADE	L.C. Sample Cell	Germany	Granted	3572537.0	1989/02/23	3572537
3007	P0106ALP	L.C. Sample Cell	Japan	Granted	1,928,835	1993/05/12	16814/85
3007	P0106ASE	Sample Cell Temperature Stabilizer	Sweden	Granted	0154792	1989/02/23	85100/947, 2
3007	P0106AGB	Sample Cell Temperature Stabilizer	Switzerland	Granted	0154792	1989/02/23	85100/947, 2
3007	P0106A	L.C. Sample Cell	Great Britain	Granted	0154782	1989/02/23	85100/947, 2
3048	P0109AUF	Sample Cell Temperature Stabilizer	United States	Granted	4,590,765	1986/07/08	08/376, 545
3048	P0109AUB	Sample Cell Temperature Stabilizer	United States	Granted	561,564	1987/05/14	184/44/83
3048	P0109AUC	Sample Cell Temperature Stabilizer	United States	Granted	P3378594.5	1986/11/20	83107/709, 4
3048	P0109AUE	Sample Cell Temperature Stabilizer	Germany	Granted	0101982	1988/11/20	83107/709, 4
3048	P0109AUF	Sample Cell Temperature Stabilizer	Germany	Granted	0101982	1988/11/20	83107/709, 4
3061	P0110AEP	Slip Catch Assembly	Great Britain	Granted	01313226	1988/03/30	84108/028, 6

3061	P0110AFR	Sfp Clutch Assembly	Belgium	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110ADE	Coupler Mechanism	Germany	Granted	0133225	1988/03/28	84108028.0	1984/7/9
3061	P0110ANL	Sfp Clutch Assembly	Netherlands	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110ANT	Sfp Clutch Assembly	Italy	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110ACH	Sfp Clutch Assembly	Switzerland	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110A	Sfp Clutch Assembly	United States	Granted	4,560,050	1985/12/24	08/517,080	1983/07/25
3076	P0111AEP	Spectrophotometer	Europe	Granted	0135761	1991/08/05	84109505.0	1984/08/09
3076	P0111AFR	Spectrophotometer	Belgium	Granted	0,135,761	1991/08/05	84109505.0	1984/08/09
3076	P0111AGE	Spectrophotometer	France	Granted	0135761	1991/08/05	84109505.0	1984/08/09
3076	P0111ADE	Optical Design Of Fourier Transform Spectrophotometer	Germany	Granted	P3484868.9	1991/08/05	84109505.0	1984/08/09
3076	P0111ANL	Spectrophotometer	Netherlands	Granted	0135761	1991/08/05	84109505.0	1984/08/09
3076	P0111ANT	Spectrophotometer	Italy	Granted	0135761	1991/08/05	84109505.0	1984/08/09
3076	P0111AJP	Optical Design Of Fourier Transform Spectrophotometer	Japan	Granted	1,800,723	1991/11/12	84109505.0	1984/08/09
3076	P0111ACH	Spectrophotometer	Switzerland	Granted	0135761	1991/08/05	84109505.0	1984/08/09
3076	P0111AGB	Spectrophotometer	Great Britain	Granted	0135761	1991/08/05	84109505.0	1984/08/09
3109	P0111A	Solvent Pressurizing System	United States	Granted	4,740,082	1988/04/26	08/858,555	1986/04/24
3109	P0113A	Liquid Chromatography Controller	United States	Granted	4,448,684	1988/03/15	06/481,789	1983/01/28
3111	P0114A	RTV Pulse Damper	United States	Granted	4,548,713	1988/10/21	06/588,765	1984/01/06
3111	P0114ADP	RTV Pulse Damper	Germany	Granted	3585428.5	1988/10/22	06/585,064	1984/03/02
3111	P0114ASE	Pulse Damper	Japan	Granted		1988/10/05	3555429	1984/10/05
3111	P0114ACH	Pulse Damper	Sweden	Granted	0156132	1988/10/05	85101252.6	1985/02/06
3138	P0116AUV	Holder Assembly For Reaction Tubes	Switzerland	Granted	0156132	1988/10/05	85101252.8	1985/02/06
3138	P0117AAU	Holder Assembly For Reaction Tubes	Great Britain	Granted	0156132	1988/10/05	85101252.6	1985/02/06
3138	P0117AAU	KCP Bad Plasma Detector	Australia	Allowed	706,789	1991/06/24	3288195	1985/02/27
3135	P0115AEP	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Europe	Granted	705,036	1991/03/13	62194796	1984/02/11
3135	P0115AFR	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	France	Granted	0192200	1991/03/06	86101901.6	1986/02/14
3135	P0115ADE	A Novel Array Spectrometer	Germany	Granted	3650491.2	1991/03/06	3650491	1986/02/14
3135	P0115ANL	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Netherlands	Granted	0192200	1991/03/06	86101901.6	1986/02/14
3135	P0115AJP	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Japan	Granted	2,602,809	1991/03/06	86101901.6	1986/02/14
3135	P0115ACH	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Switzerland	Granted	0192200	1991/03/06	86101901.6	1986/02/14
3135	P0115AGB	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Great Britain	Granted	0192200	1991/03/06	86101901.6	1986/02/14
3138	P0116A	Holder Assembly For Reaction Tubes	United States	Granted	4,678,917	1987/07/07	06/705,260	1986/02/19
3138	P0116AJP	Holder Assembly For Reaction Tubes	Germany	Granted	3407065	1994/12/22	3407065	1984/02/27
3138	P0116A	Holder Assembly For Reaction Tubes	Japan	Granted	1,919,140	1995/04/07	3546804	1984/02/27
3138	P0117A	Holder Assembly For Reaction Tubes	United States	Granted	5,032,283	1991/07/16	06/882,017	1986/07/03
3142	P0118AEP	Apparatus For Monitoring A Plasma Torch	United States	Granted	4,640,827	1987/02/03	06/528,788	1983/08/26
3142	P0118AFR	An Apparatus And Method For Optimizing Separation Of An Unin	Europe	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118AGE	An Apparatus And Method For Optimizing Separation Of An Unin	France	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118ANL	An Apparatus And Method For Optimizing Separation Of An Unin	Germany	Granted	P3586705.1	1992/09/30	85110513.0	1985/08/21
3142	P0118ANT	An Apparatus And Method For Optimizing Separation Of An Unin	Netherlands	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118AJP	An Apparatus And Method For Optimizing Separation Of An Unin	Japan	Granted	2,075,811	1990/07/25	85110513.0	1985/08/21
3142	P0118ACH	An Apparatus And Method For Optimizing Separation Of An Unin	Switzerland	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118AGB	An Apparatus And Method For Optimizing Separation Of An Unin	Great Britain	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118ADE	Apparatus and Method for Optimizing Separation of a Sample	United States	Granted	4,579,663	1992/09/30	06/853,256	1984/08/24
3142	P0118A	Production Of Flexible Glass Capillary Tubing Without Extern	United States	Granted		1988/04/01		1984/08/24
3162	P0120A	Light Detector Apparatus	United States	Granted				
3163	P0121A	Sample Cell Temperature Stabilizer	United States	Granted	5,073,345	1991/12/17	06/753,370	1985/07/09
3173	P0123AEP	Compensator Plate Adjustment For Beam Splitter	United States	Granted	4,589,477	1986/05/20	06/576,660	1984/02/03
3173	P0123AGE	Compensator Plate Adjustment For Beam Splitter	Europe	Granted	0137206	1991/10/123	84109507.8	1984/08/09
3173	P0123AFR	Compensator Plate Adjustment For Beam Splitter	Belgium	Granted	0137206	1991/10/123	84109507.8	1984/08/09
3173	P0123AJP	Compensator Plate Adjustment For Beam Splitter	France	Granted	0137206	1991/10/123	84109507.8	1984/08/09
3173	P0123ADE	Compensator Plate Adjustment For Beam Splitter	Germany	Granted	P3483902.5	1991/10/123	84109507.8	1984/08/09
3173	P0123ANL	Compensator Plate Adjustment For Beam Splitter	Netherlands	Granted	0137206	1991/10/123	84109507.8	1984/08/09
3173	P0123ANT	Compensator Plate Adjustment For Beam Splitter	Italy	Granted	0137206	1991/10/123	84109507.8	1984/08/09

3172	P0123AJP	Compensator Plate Adjustment For Beam Splitter	Japan	Granted	2,131,945	1986/08/12	84,109,507.6	1984/08/03
3173	P0123ACH	Compensator Plate Adjustment For Beam Splitter	Switzerland	Granted	913,720.6	1987/01/23	84,109,507.6	1984/08/03
3173	P0123AQB	Compensator Plate Adjustment For Beam Splitter	Great Britain	Granted	0,137,208	1987/01/23	84,109,507.6	1984/08/03
3175	P0124ABE	Assembly For Adjusting An Optical Element	United States	Granted	4,735,505	1988/04/05	08,527,885	1983/06/30
3175	P0124ABE	Purge Shutter Mechanism	Belgium	Granted	0,144,539	1989/08/08		
3175	P0124ADL	Purge Shutter Mechanism	Netherlands	Granted	347,933.3	1989/08/08		
3175	P0124AAT	Purge Shutter Mechanism	Netherlands	Granted	0,445,339	1989/08/08		
3175	P0124AUP	Purge Shutter Mechanism	Italy	Granted	0,144,539	1989/08/08		
3175	P0124ACH	Purge Shutter Mechanism	Japan	Granted	1,772,551	1989/07/14		
3175	P0124AUP	Purge Shutter Mechanism	Switzerland	Granted	0,445,339	1989/08/08		
3175	P0124AUP	Purge Shutter Mechanism	United States	Granted	4,603,835	1986/08/05	06,549,952	1983/11/09
3178	P0125AEP	Digital Control For Rapid Refill Of A Liquid Chromatograph	Europe	Granted	0,194,450	1991/01/23	86,101,623	1988/02/07
3178	P0125AFR	Digital Control For Rapid Refill Of A Liquid Chromatograph	Germany	Granted	0,194,450	1991/01/23		
3178	P0125ADE	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Germany	Granted	367,7029.8	1991/01/23	367,7029	1991/01/23
3178	P0125ANL	Digital Control For Rapid Refill Of A Liquid Chromatograph	Netherlands	Granted	0,194,450	1991/01/23		
3178	P0125AAT	Digital Control For Rapid Refill Of A Liquid Chromatograph	Italy	Granted	1,979,685	1991/01/23		
3178	P0125AUP	Digital Control For Rapid Refill Of A Liquid Chromatograph	Japan	Granted	0,194,450	1991/01/23		
3178	P0125ASE	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Sweden	Granted	0,194,450	1991/01/23		
3178	P0125ACH	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Switzerland	Granted	0,194,450	1991/01/23		
3178	P0125AQB	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Great Britain	Granted	0,194,450	1991/01/23		
3178	P0125A	Digital Control For Rapid Refill Of A Liquid Chromatograph P	United States	Granted	4,643,649	1987/02/17	06,700,705	1983/02/11
3196	P0126AEP	Interferometer Mirror Adjustment	Europe	Granted	0,158,873	1989/11/02	85,103,202	1985/03/19
3196	P0126AFR	Interferometer Mirror Adjustment	France	Granted	0,158,873	1989/11/02		
3196	P0126AUP	Interferometer Mirror Adjustment	Germany	Granted	3,574,059.0	1989/11/02	3,574,059.0	1989/11/02
3196	P0126ADE	Interferometer Mirror Adjustment	Japan	Granted	1,976,664	1989/11/02		
3196	P0126AQB	Interferometer Mirror Adjustment	Great Britain	Granted	0,158,873	1989/11/02		
3196	P0126A	Assembly For Positioning An Optical Element	United States	Granted	4,621,899	1986/11/11	06,598,768	1984/04/09
3213	P0128AEP	Micro Argon Detector	Europe	Granted	0,184,892	1982/08/19	85,305,196.9	1985/07/22
3213	P0128AFR	Micro Argon Detector	France	Granted	0,184,892	1982/08/19	85,305,196.9	1985/07/22
3213	P0128AUP	Micro Argon Detector	Germany	Granted	3,566,528.6	1982/08/19	85,305,196.9	1985/07/22
3213	P0128ADE	Micro Argon Detector	Netherlands	Granted	0,184,892	1982/08/19	85,305,196.9	1985/07/22
3213	P0128ANL	Micro Argon Detector	Netherlands	Granted	1,898,495	1982/08/19	85,305,196.9	1985/07/22
3213	P0128AUP	Micro Argon Detector	Japan	Granted	0,184,892	1982/08/19	85,305,196.9	1985/07/22
3213	P0128ACH	Micro Argon Detector	Switzerland	Granted	4,740,695	1988/04/26	96,787,563	1985/07/15
3213	P0128AQB	Micro Argon Detector	Great Britain	Granted	0,184,892	1982/08/19	85,305,196.9	1985/07/22
3213	P0128A	Micro Argon Detector	United States	Granted	4,740,695	1988/04/26	96,787,563	1985/07/15
3213	P0128A	Micro Argon Detector	United States	Granted	4,609,810	1988/08/02	06,624,313	1984/06/26
3234	P0129A	Apparatus For Controlling A Plasma	Europe	Granted	0,161,493	1982/05/20	85,104,441.2	1985/04/12
3234	P0129AEP	Liquid Chromatographic Cartridge Column System	France	Granted	0,161,493	1982/05/20	85,104,441.2	1985/04/12
3234	P0129AFR	Liquid Chromatographic Cartridge Column System	Germany	Granted	3,586,068.5	1982/05/20	85,104,441.2	1985/04/12
3234	P0129AUP	Liquid Chromatographic Cartridge Column System	Japan	Granted	0,161,493	1982/05/20	85,104,441.2	1985/04/12
3234	P0129ADE	Liquid Chromatographic Cartridge Column System	Netherlands	Granted	2,574,045	1982/05/20	85,104,441.2	1985/04/12
3234	P0129ANL	Liquid Chromatographic Cartridge Column System	Switzerland	Granted	0,161,493	1982/05/20	85,104,441.2	1985/04/12
3234	P0129AUP	Liquid Chromatographic Cartridge Column System	Great Britain	Granted	4,587,014	1982/05/20	85,104,441.2	1985/04/12
3234	P0129ACH	Liquid Chromatographic Cartridge Column System	United States	Granted	4,587,014	1982/05/20	85,104,441.2	1985/04/12
3234	P0129AQB	Liquid Chromatographic Cartridge Column System	United States	Granted	0,282,043	1983/10/20	86,607,878	1984/05/07
3234	P0129A	Polymerizer For Multi-Element Analysis	Europe	Granted	0,282,043	1983/10/20	86,607,878	1984/05/07
3234	P0243AEP	Dual Servo Impedance Matching System For Icp Spectroscopy	Europe	Granted	0,155,546	1991/01/02	85,101,457	1985/02/11
3234	P0243AFR	Dual Servo Impedance Matching System For Icp Spectroscopy	France	Granted	4,785,257	1989/01/03	07,024,237	1987/02/10
3234	P0243AUP	Dual Servo Impedance Matching System For Icp Spectroscopy	Germany	Granted	0,155,546	1991/01/02	85,101,457	1985/02/11
3234	P0131AEP	Dual Servo Impedance Matching System For Icp Spectroscopy	United States	Granted	0,155,546	1991/01/02	85,101,457	1985/02/11
3234	P0131AFR	Dual Servo Impedance Matching System For Icp Spectroscopy	France	Granted	4,785,257	1989/01/03	07,024,237	1987/02/10
3234	P0131AUP	Dual Servo Impedance Matching System For Icp Spectroscopy	Germany	Granted	0,155,546	1991/01/02	85,101,457	1985/02/11
3234	P0131ADE	Dual Servo Impedance Matching System For Icp Spectroscopy	Italy	Granted	0,155,546	1991/01/02	85,101,457	1985/02/11
3234	P0131ANL	Dual Servo Impedance Matching System For Icp Spectroscopy	Japan	Granted	2,111,789	1991/01/02	85,101,457	1985/02/11
3234	P0131AUP	Dual Servo Impedance Matching System For Icp Spectroscopy	United States	Granted	4,785,257	1989/01/03	07,024,237	1987/02/10
3234	P0244A	Section Grating Generator	United States	Granted	5,108,187	1992/04/28	07,772,393	1991/06/19
3258	P0131AEP	Dual Servo Impedance Matching System For Icp Spectroscopy	United States	Granted	0,155,546	1991/01/02	85,101,457	1985/02/11
3258	P0131AFR	Dual Servo Impedance Matching System For Icp Spectroscopy	France	Granted	4,785,257	1989/01/03	07,024,237	1987/02/10
3258	P0131AUP	Dual Servo Impedance Matching System For Icp Spectroscopy	Germany	Granted	0,155,546	1991/01/02	85,101,457	1985/02/11
3258	P0131ADE	Dual Servo Impedance Matching System For Icp Spectroscopy	Italy	Granted	0,155,546	1991/01/02	85,101,457	1985/02/11
3258	P0131ANL	Dual Servo Impedance Matching System For Icp Spectroscopy	Japan	Granted	2,111,789	1991/01/02	85,101,457	1985/02/11
3258	P0131AUP	Dual Servo Impedance Matching System For Icp Spectroscopy	United States	Granted	4,785,257	1989/01/03	07,024,237	1987/02/10
3258	P0245AEP	Correction Of Spectra For Stray Radiation	Europe	Granted	0,659,511	1990/08/05	86,585,807	1984/03/02
3258	P0245AFR	Correction Of Spectra For Stray Radiation	France	Granted	0,659,511	1990/08/05	86,585,807	1984/03/02



4314	P0245ADP	Correction Of Spectra For stray Radiation	Germany	Granted	6941222.1	1998/04/05			
3259	P0132ADP	Multiple Streams Sampling System	Europe	Granted	0154158	1993/06/25			
4314	P0245AJP	Correction Of Spectra For stray Radiation	Japan	Granted	3594175.3	1991/09/25			
3259	P0132ADE	Multiple Streams Sampling System	Germany	Granted	0154188	1991/09/25			1994/12/16
4314	P0245ASE	Multiple Streams Sampling System	Sweden	Granted	0658751	1998/02/05			
3259	P0132ASB	Correction Of Spectra For stray Radiation	Great Britain	Granted	0194188	1991/09/25			1994/12/15
4314	P0245ACH	Multiple Streams Sampling System	Switzerland	Granted	5,429,558	1995/06/27			
3259	P0132ACB	Correction Of Spectra For stray Radiation	United States	Granted	4,678,639	1997/07/07			1993/12/17
4314	P0132A	Apparatus for Periodically Monitoring Composition of Samples	United States	Granted	4,660,977	1987/04/28			1984/03/02
3259	P0132A	Apparatus for Periodically Monitoring Composition of Samples	United States	Granted	4,660,267	1986/02/04			1984/03/02
4314	P0132A	Synchronous Wavelength Drive And Data Acquisition Conversion	United States	Granted	4,597,034	1986/08/24			1984/11/13
3292	P0135A	Safety Apparatus for an Atomic Absorption Spectro Burner	United States	Granted	0184283	1991/12/04			1985/07/22
3296	P0137A	Self Spraying Lampholder	Europe	Granted	0184283	1991/12/04			1985/07/22
3307	P0138AEP	Programmed Temperature Control Of A Thermal System	France	Granted	0184283	1991/12/04			1985/07/22
3307	P0138AFR	Programmed Temperature Control Of A Thermal System	Germany	Granted	P3584824.3	1991/12/04			1985/07/22
3307	P0138ADE	Programmed Temperature Control Of A Thermal System	Netherlands	Granted	0184283	1991/12/04			1985/07/22
3307	P0138ANL	Programmed Temperature Control Of A Thermal System	Japan	Granted	2,033,583	1996/03/19			1985/12/03
3307	P0138ACH	Programmed Temperature Control Of A Thermal System	Switzerland	Granted	0184283	1991/12/04			1985/07/22
3307	P0138AJP	Programmed Temperature Control Of A Thermal System	Great Britain	Granted	4,752,216	1988/06/21			1985/07/22
3307	P0138AGB	Programmed Temperature Control Of A Thermal System	United States	Granted	4,837,441	1989/06/06			1986/10/24
3309	P0139AGB	Ionization Detectors For Gas Chromatography	United States	Granted	2,183,897	1990/07/11			1985/10/20
3309	P0139AGB	Ionization Detectors For Gas Chromatography	Great Britain	Granted	3605488	1985/05/24			1986/02/20
3312	P0140ADE	Linearized Ultra-Low Noise Mod Preamp	Germany	Granted	2,068,543	1996/07/10			1986/02/21
3312	P0140AGB	Linearized Ultra-Low Noise Mod Preamp	Japan	Granted	2,171,512	1989/01/25			1986/10/28
3312	P0140AJP	Detector Preampifier For Use with a M.C.T. Detector	Great Britain	Granted	4,682,022	1987/07/21			1986/10/28
3313	P0141A	Fluid Flow Control System	United States	Granted	4,617,953	1986/10/21			1984/11/13
2445	P0256ADE	Optical Beam Switching Apparatus	Germany	Granted	P2828145	1987/09/10			1978/06/27
2445	P0256AJP	Optical Beam Switching Apparatus	Italy	Granted	1115127	1986/02/03			
2445	P0256AGB	Optical Beam Switching Apparatus	Great Britain	Granted	1599348	1978/05/30			
3321	P0143A	System for Changing Oxidants in a Spectrophotometer	United States	Granted	4,571,172	1986/02/18			1984/11/13
2515	P0257AJP	Phase Synchronization	Japan	Granted	1,711,151	1992/11/11			
2515	P0257AGB	Spectroscopic Phase Synchronization Apparatus	Great Britain	Granted	2,092,298	1984/04/22			1982/01/26
2515	P0257A	Phase Synchronization Apparatus	United States	Granted	4,386,852	1984/08/07			1981/01/29
2646	P0258AJP	Method And Apparatus For Determining The Nature Of An Unknown	Japan	Granted	1,670,092	1982/06/12			1981/02/06
2646	P0258AGB	Apparatus and Method For Determining The Nature Of An Unknown	Great Britain	Granted	2,070,235	1984/02/01			1981/02/02
2780	P0101AAU	Apparatus Useful For Positioning A Light Filter	Australia	Granted	384,477	1985/12/12			1982/06/01
3331	P0144AJP	Solvent Pressurizing & Degassing System	France	Granted	0179349	1989/05/24			
3331	P0280AEP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Europe	Pending					
3331	P0144ANL	Solvent Pressurizing & Degassing System	Germany	Granted	3570527.2	1989/05/24			1990/01/23
3331	P0144ACH	Solvent Pressurizing & Degassing System	Netherlands	Granted	0179349	1989/05/24			1989/05/24
3331	P0144AGB	Solvent Pressurizing & Degassing System	Switzerland	Granted	0179349	1989/05/24			
3331	P0144A	Solvent Pressurizing & Degassing System	Great Britain	Granted	0179349	1989/05/24			
3331	P0280ACA	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	4,541,452	1985/09/17			1984/10/10
6037E	P0280AJP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Japan	Granted	3,063,832	2000/04/07			1984/10/10
3365	P0145AEP	Ionization Detectors For Gas Chromatography	Europe	Pending					
3365	P0145AFR	Ionization Detectors For Gas Chromatography	France	Granted	0249714	1992/06/17			1990/01/16
3365	P0145ADE	Ionization Detectors For Gas Chromatography	Germany	Granted	P3179818.9	1992/06/17			1987/04/16
3365	P0145ANL	Ionization Detectors For Gas Chromatography	Netherlands	Granted	0249714	1992/06/17			1987/04/16
3365	P0280ACA	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Canada	Granted	2,007,782	2000/10/14			1989/01/15
3365	P0145AJP	Ionization Detectors For Gas Chromatography	Italy	Granted	0249714	1992/06/17			1987/04/16
3365	P0145ASE	Ionization Detectors For Gas Chromatography	Japan	Granted	2,574,289	1998/10/24			1987/04/16
3365	P0145AGB	Ionization Detectors For Gas Chromatography	Sweden	Granted	0249714	1992/06/17			1987/04/16
3365	P0145A	Ionization Detectors For Gas Chromatography	Great Britain	Granted	0249714	1992/06/17			1987/04/16
4369	P0042AAU	Ionization Detectors For Gas Chromatography	United States	Granted	4,873,862	1992/06/17			1987/04/16
		Neubulzer	Australia	Granted	707,363	1999/07/08			1995/07/14



3514	P0272ADE	Phase Angle Measurement	Japan	Granted	0101882	1988/11/30	83107709	1983/03/04
3513	P0273ACH	Phase Angle Measurement	Switzerland					
3512	P0273ACB	Phase Angle Measurement	Great Britain					
3511	P0267ADE	Phase Synchronization	Germany					
3510	P0169AEP	Chromatography Column	Europe	Granted	0101882	1988/11/30	83107709	1983/03/04
3509	P0085A	Regulated Deuterium Air Supply System	United States	Granted	4,742,276	1988/05/03	06/688,556	1986/07/25
3508	P0269A	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	4,994,676	1991/02/19	07/544,798	1990/06/25
3507	P0260AKR	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Korea	Granted	141,585			
3506	P0269ADE	Variable Gain Amplifier	Germany	Granted	3,307,597	1993/09/29	3307597	1989/03/03
3505	P0276ADE	Apparatus For Reducing Current Leakage From A Resistance	Japan	Granted	1,589,343	1990/07/10	51428/62	1982/03/31
3504	P0261AEP	Optical Coupling Device	Europe	Granted	0051162	1987/02/25	81107880	1981/1/002
3503	P027AAEP	Flowmeter System With Synchronous Clock For Generation Of T1	Europe	Granted	0059136	1987/09/09	81110555	1981/12/17
3502	P0098AEP	Optical Beam Splitter	Europe	Granted	0059836	1985/08/21	82100648,3	1982/01/28
3501	P0098AEP	Apparatus Useful With A Chromatography Column	Europe	Granted	0075969	1987/07/15	82106509	1982/07/19
3500	P0103AEP	Spectrophotometer	Europe	Granted	0087568	1987/01/07	831004499,8	1983/01/20
3499	P0104AEP	Liquid Level Sensor	Europe	Granted	0129120	1988/08/17	84106228,4	1984/05/30
3498	P0105AEP	Sample Cell Temperature Stabilizer	Europe	Granted	0154782	1989/08/23	85100947,2	1985/01/30
3497	P0114AEP	Pulse Damper	Europe	Granted	0156132	1988/10/05	85101252,6	1985/02/06
3496	P0279AEP	Solvent Pressurizing & Degassing System	Europe	Granted	0185926	1992/09/30	85114718,1	1985/1/19
3495	P0034A	Multi-port Valve In Gas Collection System And Method	United States	Granted	0178949	1985/06/27	08/082,162	1982/07/15
3494	P0041AAU	Protonic Instrument With Optical Fibers For Analyzing	Australia	Granted	692,773	1990/05/01	88795/84	1984/07/28
3493	P0051B	Hybrid vaking system for varying fluid flow rate	United States	Granted	5,655,681	1997/08/12	08/724,432	1996/1/001
3492	P0052A	Thermal Insulating Container For Liquefied Gas	United States	Granted	5,762,381	1990/08/09	08/565,535	1993/1/208
3491	P0053A	Compressing Apparatus For Conveyance Of Cryogenic Fluid	United States	Granted	5,716,082	1991/02/10	08/525,975	1986/09/07
3490	P0062A	Fluid Conveying Device With Removable Connection	United States	Granted	5,926,265	1990/07/20	08/950,775	1987/1/015
3489	P0281ADE	Mounting Apparatus For Induction Coupled Plasma Torch	Germany	Granted	4135021		P4135021,9	1991/1/023
3488	P0284AEP	Analysis Of Organic Material	Europe	Granted	0280335	1995/07/26	88102940,9	1986/02/26
3487	P0285AEP	Thermal Conductivity Detector	Europe	Granted	0281996	1994/02/02	88103409,3	1988/03/04
3486	P0286AEP	Inductively Coupled Plasma Torch With Sample Injector	Europe	Granted	0281158	1994/01/12	88103413,6	1988/03/04
3485	P0287AEP	Power System For Inductively Coupled Plasma Torch	Europe	Granted	0281157	1994/08/29	88103403,7	1988/03/04
3484	P0288AEP	Chromatography Column	Europe	Granted	0287822	1993/03/10	88105748,3	1988/04/11
3483	P0290ADE		Germany	Granted	283681	1990/10/17	3218687	1988/1/16
3482	P0291AEP		France	Granted	7126944	1972/03/06	7126944	1971/02/13
3481	P0292ADE		Germany	Granted	39540755	1996/04/22	39540755,9	1993/1/006
3480	P0295AEP	Computer Operated Spectrometric Instrument	Europe	Published			99108264,5	1993/04/27
3479	P0297AEP	Low Frequency Signal Processing Circuitry	Europe	Granted	0334303	1994/07/20	89105094,3	1989/03/21
3478	P0300AEP	Monochromator Drift Compensation	Europe	Granted	0344783	1994/03/02	89109944,3	1989/06/01
3477	P0301AEP	Standardization Of Spectral Lines	Europe	Granted	0344782	1993/10/27	89109947,5	1989/06/01
3476	P0302AEP		Europe					
3475	P0303AEP		Europe					
3474	P0304AEP	Method And Apparatus For Comparing Spectra	Europe	Granted	0353700	1997/03/26	92116913,2	1992/10/02
3473	P0306AEP	Apparatus For Differential Analysis Of Sample Dielectric Pro	Europe	Granted	0358972	1993/09/08	93102168,7	1893/02/11
3472	P0074B	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			09/305,248	1894/08/28
3471	P0078AEP	Method Of Manufacturing Glass Beads	Japan	Pending	5,256,821		09/305,242	1894/08/28
3470	P0087AEP	Backwashing System For Gas Chromatography	United States	Granted	5,933,357	1999/08/03	08/851,789	1992/1/1/8
3469	P0317AEP		Japan	Pending			01-508578	1997/05/06
3468	P0318AEP		Japan	Pending			01-508455	1999/07/27
3467	P0319AEP		Japan	Pending			05-263036	1993/09/28
3466	P0276ADE	Multi-port Valve In Gas Collection System And Method	Germany	Granted	P3386,715,9	1992/09/30	85114718,1	1985/1/1/8
3465	P0281ADE	Chromatography Column	Germany	Granted	P347,897,0,1	1993/03/10	88105748,3	1988/04/11
3464	P0301ADE	Standardization Of Spectral Lines	Germany	Granted	P88910188,0	1993/10/27	89109947,5	1989/06/01
3463	P0320ADE		Germany	Granted	3175277		3175277	1888/09/03
3462	P0722ADE		Germany	Granted	3682749		3682749	1993/11/204

3636	P0286ADE	Inductively Coupled Plasma Torch With Sample Injector	Germany	Granted	P-3888862.4	1994/01/12	88103413.6	1988/02/04
3703	P0285ADE	Thermal Conductivity Detector	Germany	Granted	P-3687541.1	1994/02/02	86103409.4	1988/03/04
3809	P0284ADE	Monochromator Drift Compensation	Germany	Granted	P6813359.6	1994/03/02	85109948.3	1988/06/01
3827	P0287ADE	Power System For Inductively Coupled Plasma Torch	Germany	Granted	P-3850422.7	1994/06/29	86103403.7	1988/03/04
3526	P0288ADE	Low-Frequency Signal Processing Circuitry	Germany	Granted	P68915824.1	1994/01/20	85105084.3	1988/03/21
3536	P0289ADE	Detector Cell For Spectrophotometer Used In Liquid Chromatography	Germany	Granted	P68923589	1993/07/12	85105283.1	1988/03/23
4098	P0030ADE	Method And Apparatus For Comparing Spectra	Germany	Granted	P68218536.4	1992/03/28	82118813.2	1982/10/02
4073	P0030ADE	Apparatus For Differential Analysis Of Samples Detected Pro	Germany	Granted	65320217	1992/09/17	65320217	1992/02/11
3628	P0284ADE	Zero-Dilution Split Injector Liner For Gas Chromatography	United States	Granted	P-3854209.9	1993/07/26	86102940.9	1988/02/26
4637	P0327A	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			80154.209	1989/09/16
4605	P0328A	Hybrid Film Type Sensor	United States	Pending			081443.875	1989/11/19
4607	U0066A	Endcure For Analytical Instrumentation	United States	Pending			081443.875	1989/11/19
4501	P0330A	Detection Of Low Level Analytes In Samples Using Agglutinat	United States	Granted	D412.991	1999/08/17	281064.998	1987/01/15
3809	P0330A	Monochromator Drift Compensation	United States	Granted	5,942,442	1999/08/24	08731.206	1987/04/02
3809	P0330A	Monochromator Drift Compensation	Australia	Granted	612,847	1991/07/16	35874168	1985/06/01
3809	P0330A	Monochromator Drift Compensation	United States	Granted	4,916,645	1990/04/10	07201.250	1985/09/02
3828	P0018ADE	Circuit For Synchronizing Digital Signals With Alternating C	Germany	Granted	4,024,459	1991/02/07	P4024459.8	1990/08/01
3828	P0018ADE	Circuit For Synchronizing Digital Signals With Alternating C	Germany	Granted	2,235,837	1993/06/16	9016503.6	1990/07/27
4015	P0024ADE	Vial Locator And Sensor	Germany	Granted	P69109708.8	1993/05/17	91102281.2	1991/02/16
4015	P0024ADE	Vial Locator And Sensor	Europe	Granted	D444498	1993/06/17	91102281.2	1991/02/16
4070	P0031ADE	Single Element Thermal Conductivity Detector	Australia	Granted	640.453	1993/08/26	71933191	1991/02/27
4070	P0031ADE	Single Element Thermal Conductivity Detector	Europe	Granted	0529295	1998/08/02	92112375.8	1992/07/20
4073	P0308A	Apparatus For Differential Analysis Of Sample Dielectric Pro	Germany	Granted	60228833.2	1992/09/02	82112375.8	1992/07/20
2730	P0278AGB	Detector Cell For Liquid Chromatography	United States	Granted	5,309,110	1994/06/03	071845.994	1992/03/04
3536	P0029AGB	3 Point Bending Measuring System	Great Britain	Granted	0185826	1992/09/30	85114718.1	1985/11/19
3984	P0027AGB	Vial Locator And Sensor	Great Britain	Granted	0355288	1995/07/12	89105283.1	1985/04/23
4015	P0027AGB	Standardizing And Calibrating A Spectrometric Instrument	Great Britain	Granted	0428010	1994/06/01	90120859.5	1990/10/31
4045	P0027AGB	Standardizing And Calibrating A Spectrometric Instrument	Great Britain	Granted	0444498	1995/05/17	91102281.2	1991/02/16
4046	P0028AGB	Photodetector Amplifier Linearity	Great Britain	Granted	0480006	1997/12/10	93100108.9	1993/01/07
4063	P0029AGB	Method Of Manufacturing Glass Beads	Great Britain	Granted	0552604	1997/04/09	93100102.8	1993/01/07
4073	P0030AGB	Apparatus For Differential Analysis Of Samples Detected Pro	Great Britain	Granted	2,281,659	1995/06/28	8223559.3	1982/11/11
4076	P0033AGB	Absorbance Correction In Atomic Absorption Spectroscopy	Great Britain	Granted	2,282,160	1994/04/12	198302168.7	1983/02/11
4091	P0035AGB	Method For Heating A Thermionic Detector Source	Great Britain	Granted	2,281,534	1995/12/06	9223548.0	1992/11/11
2866	P0027AGB	Variable Gain Amplifier	Great Britain	Granted	2,116,753	1996/01/29	9223598.5	1992/11/11
4056	P0031AGB	Double Beam Detector System For Liquid Chromatography	Great Britain	Granted	0529541	1996/04/17	92114331.9	1992/06/21
1085	P0034ADE	Photometric Instrument With Optical Fibers For Analyzing	Germany	Pending	P4424961.5		1994/07/14	1992/06/21
	P0333A	Method For Processing A Sample	United States	Allowed			09101.819	1989/10/20
	P0333ANL	Method For Processing A Sample	The Netherlands	Allowed			11002110	1996/01/17
	P0333AWO	Method For Processing A Sample	PCI	Published			IPC:TRN.9700005	1997/01/07
4462	P0326ACA	Detection Of Low Level Hydrophobic Analytes In Samples	Canada	Published	2,285,282		98914440.7	1998/04/02
4462	P0326AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Europe	Published				
4462	P0326AIP	Detection Of Low Level Hydrophobic Analytes In Samples	Japan	Published				
4462	P0326AAU	Detection Of Low Level Hydrophobic Analytes In Samples	Australia	Pending				
4501	P0330ACA	Detection Of Low Level Analytes In Samples Using Agglutinat	Canada	Pending				
4501	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutinat	Europe	Published				
4501	P0330AAU	Detection Of Low Level Analytes In Samples Using Agglutinat	Australia	Pending				
4501	P0330AIP	Detection Of Low Level Analytes In Samples Using Agglutinat	Japan	Pending				
4501	P0330AEP	Method For Processing A Sample	Europe	Pending				
4482	P0326A	Detection Of Low Level Hydrophobic Analytes In Samples	United States	Granted	5,891,740	1999/04/06	088832.168	1997/04/02
3729	P0335A	Detector For A Spectrometer	United States	Granted	4,820,048	1998/04/11	071233.025	1997/11/19
4095	P0034BGB	Photometric Instrument With Optical Fibers For Analyzing	Great Britain	Granted	2,312,044	1998/01/21	19870714	1997/07/14
4589	P0296A	Computer Operated Spectrometric Instrument	United States	Allowed				
	P0337A	Method and Apparatus for Iterative Spectral Compensation	United States	Pending				
5002	P0338A	Method And Apparatus For Impurity Detection	United States	Pending				

4488	P0307AJP	Method And Apparatus For Comparing Spectra	Japan	Granted	5-209526	1993/08/20	4-287/034	19927/10/2
4401	P03030B	Detection Of Low Level Analytes In Samples Using Agglutini	United States	Pending				
4449	P03030A	Spectroscopic Determination Of The Association Constants	United States	To File			09/29/88 5:13	1999/03/12
3008	P0282AAU	Non-Immunoassay Determination Of Protein-Ligand Interaction	United States	To File				
4083	P0341A	Optical Switching Device	Australia	Granted	598,940	1990/07/05	1817/5/88	1998/06/20
4086	P0028A	Method Of Manufacturing Glass Beads	United States	Granted	5,058,886	1993/10/15	07/603,592	1990/10/25
3527	P00341B	Photometric Instrument With Optical Fibers For Analyzing	United States	Granted	5,198,009	1993/03/20	07/796,497	1997/11/22
3527	P0297A	Phase Angle Measurement	United States	Granted	4,985,683	1996/06/15	09/334,550	1994/10/18
3527	P0297AT	Phase Angle Measurement	France	Granted	0334303	1994/07/20	07/113,201	1998/03/24
3527	P0297AJP	Phase Angle Measurement	Italy	Granted	0334303	1988/03/21	09105064.3	1999/03/21
3527	P0297ACH	Phase Angle Measurement	Japan	Granted	1,316,831	1989/12/21	73716248	1990/02/24
3602	P0297AGB	Phase Angle Measurement	Switzerland	Granted	0034303	1994/07/20	09105064.3	1999/03/21
3602	P0018AEF	Line Frequency Staved Voltage-To-Frequency Converter System	United States	Granted	4,888,573	1994/07/20	09105064.3	1999/03/21
3602	P0018AFR	Line Frequency Staved Voltage-To-Frequency Converter System	France	Granted	0286882	1993/07/14	07/119,584	1997/11/12
3602	P0018ADIE	Line Frequency Staved Voltage-To-Frequency Converter System	Germany	Granted	0286882	1993/07/14	07115917.4	1997/10/29
3602	P0018ANE	Line Frequency Staved Voltage-To-Frequency Converter System	Netherlands	Granted	P2798522.6	1993/07/14	07115917.4	1997/10/29
3602	P0018ACH	Line Frequency Staved Voltage-To-Frequency Converter System	Switzerland	Granted	0286882	1993/07/14	07115917.4	1997/10/29
3628	P0284A	Analytic Of Organic Material	Great Britain	Granted	0286882	1993/07/14	07115917.4	1997/10/29
3628	P0284B	Analytic Of Organic Material	United States	Granted	4,795,514	1989/10/10	07/019,905	1997/10/29
3628	P0284CJP	Analytic Of Organic Material	United States	Granted	5,044,860	1991/09/03	07/178,713	1998/04/07
3628	P0284AIT	Analytic Of Organic Material	United States	Granted	5,013,928	1991/05/07	07/218,721	1998/07/13
3628	P0284AJP	Analytic Of Organic Material	Italy	Granted	0280335	1993/07/25	08102840.0	1998/02/28
3628	P0284BJP	Analytic Of Organic Material	Japan	Granted	2,683,011	1997/08/08	42438188	1998/02/28
3628	P0284GCB	Analytic Of Organic Material	Great Britain	Granted	2,730,524	1997/12/19	5622/97	1997/01/16
3628	P0284AJP	Analytic Of Organic Material	Japan	Pending				
3628	P0284BJP	Analytic Of Organic Material	Great Britain	Granted	0280335	1993/07/25	08102840.0	1998/02/28
3628	P0284GCB	Analytic Of Organic Material	United States	Granted	4,618,916	1987/03/06	07/022,808	1997/03/06
3628	P0284AGB	Analytic Of Organic Material	France	Granted	9281157	1994/06/29	08103400.7	1998/03/04
3628	P0284AJP	Analytic Of Organic Material	Japan	Granted	2,708,447	1997/10/11	51794/86	1998/03/07
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0281157	1994/06/29	08103400.7	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,766,287	1988/08/23	07/022,910	1997/03/06
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0281158	1994/01/12	08103413.6	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	2,754,165	1994/03/13	51795/88	1998/03/07
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0281158	1994/01/12	08103413.6	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,872,979	1989/10/10	07/004,1554	1997/04/22
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	598,926	1988/04/22	15092/88	1998/04/22
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Australia	Granted	0287822	1993/03/10	08105748.3	1998/04/11
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0287822	1993/03/10	08105748.3	1998/04/11
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Italy	Granted	2,644,269	1997/05/02	969377/88	1998/04/11
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0287822	1993/03/10	08105748.3	1998/04/11
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	4,935,163	1993/03/10	08105748.3	1998/04/11
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,813,267	1991/02/28	07/289,676	1999/04/25
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	07/022,147	1997/03/05
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Italy	Granted	2,683,012	1994/02/02	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0291986	1999/03/21	08103409.4	1998/03/04
3628	P0284AJP	Power System For Inductively Coupled Plasma Torch						



2766	P0097A	Fluid Flow Control Device	United States	Granted	4,354,932	1982/10/19	06/19/7302	1980/10/15
4458	P0098A	Heater Control Circuit	United States	Granted	5,672,289	1987/07/20	08/25/715	1985/07/15
4443	P0056A	Apparatus For Controlling Level Of Cryogenic Liquid	United States	Granted	5,671,603	1987/08/20	08/59/435	1985/12/08
4435	P0054A	Dry Gas Curtain For Cryogenic Surface	United States	Granted	5,580,537	1987/01/07	08/52/4,555	1985/09/07
4431	P0050A	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	United States	Granted	5,876,116	1988/03/02	08/56/9,388	1985/12/08
4430	P0049A	Gas Chromatographic System With Controlled Sample Transfer	United States	Granted	5,711,786	1988/01/27	08/73/4,659	1985/10/21
4411	P0047A	Flow Regulation In Gas Chromatograph	United States	Granted	5,545,252	1986/08/13	08/18/7,707	1985/03/01
3522	P0200A	Gas Control Device For Controlling The Fuel Gas	United States	Granted	4,601,530	1987/07/21	08/86/3,770	1986/09/16
4073	P0080AJP	Differential Diodelectric Analyzer	Japan	Pending			05-06/45/2	1983/03/02
3536	P0288AEP	Detector Cell	Europe	Granted	0335/288	1995/07/12	83/05/263.1	1989/03/23
2956	P0278A	Optical Coupling Device	United States	Granted	4,494,212	1985/01/15	06/62/8,547	1984/07/06
2782	P0278A	Flowmeter System With Synchronous Check For Generation Of Ti	United States	Granted	4,345,479	1982/08/24	06/22/4,783	1981/01/13
2730	P0279A	Multi-port Valve In Gas Collection System And Method Of Use	United States	Granted	4,801,211	1986/07/22	06/68/0,869	1984/12/12
3536	P0298AJP	Low Cost Detector Cell	Japan	Granted	12,042,337	1989/12/24	78/52/09	1988/03/13
3538	P0298BEP	Detector Cell For Liquid Chromatography	Europe	Published	0626/574		94/108/752.8	1989/03/23
4511	P0089C	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			09/47/9,642	2000/01/07
5015	P0343A	Barcode Labeling Of ATO Tubes	United States	To File				
4479	P0064ACH	Analyzing Spectrometric Date	Switzerland	Granted	0834/725		97/117/74.9	1997/10/02
4479	P0064ADE	Analyzing Spectrometric Date	Germany		0834/725			
4479	P0064AFR	Analyzing Spectrometric Date	France		0834/725			
4479	P0064AGB	Analyzing Spectrometric Date	Great Britain		0834/725			
4479	P0064AIT	Analyzing Spectrometric Date	Italy		0834/725			
4479	P0064ANL	Analyzing Spectrometric Date	Netherlands		0834/725			
2730	P0279AJP	Multi-port Valve In Gas Collection System And Method Of Use	Japan	Granted	1,838,829	1984/04/25	27/813,185	1985/12/12
4045	P0027ADE	Standardizing And Calibrating A Spectrometric Instrument	Germany	Granted	0560/006		93/100/106.9	1983/03/10
4046	P0028ADE	Photodetector Amplifier Linearly	Germany	Granted	P693/095/04	1997/04/09	93/100/102.8	1984/10/7
4076	P0039AAU	Absorbance Correction In Atomic Absorption Spectroscopy	Australia	Granted	654,088		2/98/14/82	
4137	P0039AAU	Grouping Of Spectral Bands For Data Acquisition	Australia	Granted	667,614		5/16/73/94	
4483	P0088AEP	Tunable External Cavity Diode Laser	Europe	Published			9793/80/51.6	1987/07/28
4642	P0345A	Use Of Hg Lines From Hg Lamp For Wavelength Standardization	United States	To File				
4641	P0345AJP	Low Cost Detector Cell	Japan	Granted	3,016,789	1989/12/24	78/752/89	1989/12/24
4641	P0346A	Use Of The Lines For ICP Instrument Standardization	United States	To File				
5003	P0347A	Methods And Apparatus To Improve The Sensitivity	United States	Pending			60/193,974	2000/03/31
5006	P0348A	Apparatus And Methods For Bifluorescent Analytical Methods	United States	Pending			60/193,519	2000/03/31
	P0349A	Polymeric Sampling Syrah						
	P0350A	Polymeric Reagent Pad						
	P0351A	Sampling Device For Use In Automated Methods						
3824	P0099A	Arc Spray Gun For Coating Confined Areas	United States	Granted	4,853,513	1988/09/01	07/187,106	1988/04/28
3824	P0099ACA	Arc Spray Gun For Coating Confined Areas	Canada	Granted	1,314,944	1989/03/23	597,288	1988/04/20
3824	P0099AJP	Arc Spray Gun For Coating Confined Areas	Japan	Granted	2-1644/70	1990/06/25	1-104/817	1989/04/26
3824	P0099AEP	Arc Spray Gun For Coating Confined Areas	Europe	Granted	073/9850		89/107/696.1	1989/04/27
3824	P0099ACN	Arc Spray Gun For Coating Confined Areas	China	Granted	103/9978			
3824	P0099ADE	Arc Spray Gun For Coating Confined Areas	Germany	Granted	689236/48		89/107/686.1	1989/04/27
	P0032AJP							
5000	P00353A	Pedaling Of The Torch Glassware	United States	Pending			60/175,988	2000/01/13
3264	P0002A	Digital Gain Controlled Current To Voltage Amplifier	United States	Granted	4,669,877	1987/06/02	06/70/4,388	1985/02/22
	P0328AGH	Detection Of Low Level Hydrophobic Analytes In Samples						
	P0328ADE	Detection Of Low Level Hydrophobic Analytes In Samples						
	P0328AFR	Detection Of Low Level Hydrophobic Analytes In Samples						
	P0328AIG	Detection Of Low Level Hydrophobic Analytes In Samples						
	P0328AIT	Detection Of Low Level Hydrophobic Analytes In Samples						
	P0073AAYO	Autosampler Having Gripper With Shape Memory Metal Actuator	PCT	Pending			PCT/US00/03756	2000/02/14
	P0071B	Autosampler	United States	Pending			09/518,466	2000/03/03
	P0045ADE	Nebulizer	Germany	Pending			695,14,870,7,08	1993/06/22
	P0047BAU	Flow Regulation In Gas Chromatograph	Australia	Pending			1757/800	2000/02/18

