

08-25-2000



101441621

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

03141-P0066B WWW

MRD 7.31.00

Assignor:	Perkin-Elmer Corporation
Assignee:	Perkin Elmer LLC
Serial No. 09/230,499	Filing Date: January 26, 1999
Title of Application:	Tunable External Cavity Diode Laser

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

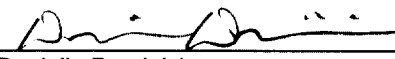
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Mailing Certificate: I hereby certify that this correspondence is today being deposited with the U.S. Postal Service as *First Class Mail* in an envelope addressed to: Box Assignment; Commissioner of Patents and Trademarks; Washington, DC 20231.

July 26, 2000


Danielle Dominici

CONFIRMATORY ASSIGNMENT

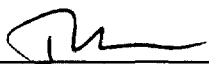
WHEREAS, Perkin Elmer LLC is desirous of recording its ownership of the patents and patent applications listed on the attached Exhibit A in the various Patent Offices throughout the world;

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is acknowledged, Perkin-Elmer Corporation whose post office address is 761 Main Avenue; Norwalk, CT 06859, hereby conveys, assigns and transfers its entire right, title and interest in and to the patents and patent applications listed on the attached exhibit A, including but limited to the right to sue and collect damages for past infringement of said Patents to Perkin Elmer LLC, a Delaware corporation whose post office address is, 761 Main Avenue; Norwalk, CT 06859.

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

(Assignor)

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

By 

Name: Thomas Livingston

Title: ~~Assistant~~ Secretary

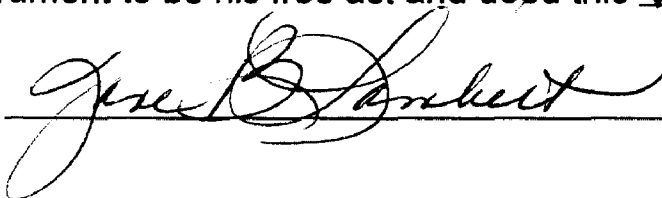
State of Connecticut

County of Fairfield

SS.

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

Notary Public



Perkin Elmer	Model	Maker	Country	Status	Registration Number	Issue Date	Serial Number	File Date
No.	Code	Name						
0095	P0003ASE	Automatic Variable Filters For Use In Scanned Spectrometers	Sweden	Pending			11469-6	1873/04/23
2103	P0004AJP	Flame Ionization Detector Status Indicator	Japan	Pending			1608-48	1978/12/29
2132	P0005AJP	Detector Cell Assembly	Japan	Pending			60305/86	1988/04/23
2357	P0008AJP	High Resolution Stepping Motor Drive	Japan	Pending			279489/87	1987/11/06
3602 (HW/KU/5/B)	P0016AJP	Line Frequency Stepped Voltage-To-Frequency Converter System	Japan	Granted	2,730,577	1997/12/19	02-205946	1998/08/02
3828	P0018AJP	Circuit For Synchronizing Digital Signals	Japan	Granted	3,060,314	2000/04/28	P3927768.2	1989/08/23
3908	P0019ADE	Application Of Kalman Filtering To ICP Spectra	Germany	Pending			P4100346.3	1990/11/13
3973	P0020ADE	Quadrupole Mass Filter For Charged Particles	Germany	Allowed	3,032,900	2000/02/18	2-304227	1990/11/13
3984	P0021AJP	3 Point Banding Measuring System	Japan	Pending			P4110763.2	1991/04/03
4014	P0022ADE	Pumpjet Homing Mechanism For Use In Chromatography	Germany	Pending	3,057,340	2000/04/21	5-73264/91	1991/04/05
4014	P0023AJP	Pumpjet Homing Mechanism For Use In Chromatography	Japan	Pending			2,035,916	1991/02/07
4015	P0024ACA	Vial Locator And Sensor	Canada	Granted	5-108160	1993/09/30	33027191	1991/02/27
4015	P0024AJP	Vial Locator And Sensor	Japan	Granted	0498063	1991/12/10	03-345215	1991/12/10
4037	P0025AJP	Circuit For Heating And Sensing With A Single Element	Europe	Granted	4,310,830		2,097,360	1992/01/15
4037	P0025AJP	Circuit For Heating And Sensing With A Single Element	Canada	Pending			97250176.7	1992/06/09
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Europe	Granted	560,006		05-037343	1993/02/03
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted	6,082,307		1937/93	2000/03/14
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Korea	Pending			2,097,821	1993/01/21
4046	P0028ACA	Photodetector Amplifier Linearity	Canada	Granted	6-88745	1994/03/29	05-023171	1994/01/19
4046	P0028AJP	Photodetector Amplifier Linearity	Japan	Granted	247,171	1994/12/10	728/83	1994/01/21
4046	P0028AJP	Photodetector Amplifier Linearity	Korea	Pending			115169/93	1994/04/20
4067	P0030AJP	Inductively Coupled Plasma Generator	Japan	Pending			241447/92	1994/08/19
4070	P0031AJP	Single Element Thermal Conductivity Detector	Japan	Pending	5-223771	1993/06/01		
4076	P0033ADE	Absorbance Correction In Atomic Absorption Spectroscopy	Germany	Pending			P4240301.4	1994/12/01
4091	P0035ADE	Method And Apparatus For Heating A Thermionic Diode For	Germany	Pending			P4237167.8	1994/11/04
4091	P0035AJP	Method And Apparatus For Heating A Thermionic Diode For	Japan	Granted	5-256822	1993/10/08	04-327513	1994/11/13
4128	P0037AJP	Sampling Conditioning Method & Apparatus	Europe	Pending			8190398.3	
4133	P0038ADE	Optical Switching Apparatus With Retroreflector	Germany	Pending			11502431.1	1995/01/26
4133	P0038AJP	Optical Switching Apparatus With Retroreflector	Japan	Granted	7,287,178		38691/95	1995/02/27
4137	P0039ACA	Grouping Of Spectral Bands For Data Acquisition	Canada	Allowed			12,115,856	1994/02/17
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Europe	Granted	0615115	2000/04/26	94103588.2	1994/03/09
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Japan	Granted	6,300,828		38743/94	1994/03/09
4317	P0041ACA	Hybrid Valving System For Varying Fluid Flow Rate	Canada	Allowed			2,126,496	1994/06/22
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Europe	Granted	0618959	2000/04/27	94103891.5	1994/06/27
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Japan	Published	7,078,032		17702594	1994/07/28
4369	P0042AJP	Hybrid Valving System For Varying Fluid Flow Rate	Europe	Published	0693320		95108738.9	1995/06/22
4369	P0042AJP	Hybrid Valving System For Varying Fluid Flow Rate	Japan	Pending			180304/93	1995/07/17
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Australia	Granted	713,793	1996/05/24	52485/86	1996/06/24
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Europe	Pending	0744599		96107288.1	1996/06/24
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Japan	Pending			132143/96	1996/05/08
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0763196		93921345.5	1995/05/22
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0803061		93921344.8	1995/05/22
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending			8300887	1996/11/29
4392	P0046AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending			8300886	1996/11/29
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Australia	Granted	710,068	2000/01/20	14316/95	1995/10/17
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Europe	Pending	0708324		95116662.9	1995/10/14
4411	P0047AJP	Spectrometer With Selectable Radiation From Light Source	Japan	Pending			271077/95	1995/10/14
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Austria	Allowed			438071/96	1996/02/28
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Canada	Pending			12,170,080	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				4515106	1996/03/01
4427	P0048AEP	Solid State Inductively Coupled Plasma Generator	Europe	Pending	0815172			97121984.5	1997/12/12
4427	P0048AJP	Solid State Inductively Coupled Plasma Generator	Japan	Published				10000481	1998/01/05
4430	P0049AEP	Gas Chromatographic System With Controlled Sample Transfer	Europe	Pending	0770869			9611016.4	1996/10/23
4430	P0049AJP	Gas Chromatographic System With Controlled Sample Transfer	Japan	Pending				281138186	1996/10/23
4431	P0050AEP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Europe	Granted	0778463	1997/06/11		961103817.7	1996/12/03
4431	P0050AJP	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	Japan	Granted	8,176,517	1997/07/11		328552086	1996/12/08
4432	P0051AEP	Thermal Insulating Container For Liquefied Gas	Europe	Published				96113491.3	1996/08/22
4432	P0051AJP	Thermal Insulating Container For Liquefied Gas	Japan	Pending				236994489	1996/09/06
4433	P0052AEP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Europe	Pending	0778439			96119385.1	1996/12/03
4433	P0052AJP	Connecting Apparatus For Conveyance Of Cryogenic Fluid	Japan	Pending				328554486	1996/12/09
4434	P0053AEP	Fluid Conveying Device With Removable Connection	Europe	Published	0762033	2000/06/14		96113490.5	1996/08/22
4434	P0053AJP	Fluid Conveying Device With Removable Connection	Japan	Pending				96110836.2	1996/07/04
4435	P0054AEP	Dry Gas Curtain For Cryogenic Surfaces	Europe	Pending	0762094			236996096	1996/09/06
4435	P0054AJP	Dry Gas Curtain For Cryogenic Surfaces	Japan	Pending				96110836.2	1996/07/04
4440	P0055AEP	Standardizing A Spectrometric Instrument	Europe	Pending				97122538.6	1997/12/19
4440	P0055AJP	Standardizing A Spectrometric Instrument	Japan	Pending				358552097	1997/12/22
4443	P0056AEP	Apparatus For Controlling Level Of Cryogenic Liquid	Europe	Granted	6,049,762	2000/04/11		08093,482	1997/12/18
4443	P0056AJP	Apparatus For Controlling Level Of Cryogenic Liquid	Japan	Pending				96118386.9	1996/12/03
4456	P0057AEP	Standardizing Between Analytical Instruments	Europe	Pending	0851219			328918096	1996/12/09
4456	P0057AJP	Standardizing Between Analytical Instruments	Japan	Pending				97122551.1	1997/12/19
4457	P0058AEP	Standardizing Of Chromatographic Systems	Europe	Pending	0876712			35374897	1997/12/22
4457	P0058AJP	Standardizing Of Chromatographic Systems	Japan	Pending				981080418	1998/05/18
4457	P0059AEP	Standardizing Of Chromatographic Systems	Europe	Pending	0876712			13573194	1996/05/18
4457	P0059AJP	Standardizing Of Chromatographic Systems	Japan	Granted	5,938,246	1998/09/28		08079,080	1996/05/14
4458	P0060AEP	Heater Control Circuit	Europe	Pending				1082207	1997/10/08
4471	P0062AJP	Mounting Apparatus For Induction Coupled Plasma Torch	Japan	Granted	0910231			98118130.7	1998/10/09
4472	P0063AEP	Ion Detector, Detector Array And Instrument Using Same	Europe	Pending	0898764			28163094	1998/10/15
4472	P0063AJP	Ion Detector, Detector Array And Instrument Using Same	Japan	Pending				97920339.3	1998/10/20
4479	P0064AEP	Analyzing Spectrometric Data	Europe	Pending	0834725			9-637249	1998/10/12
4479	P0064AJP	Analyzing Spectrometric Data	Japan	Pending				97117174.9	1997/10/02
4479	P0064B	Analyzing Spectrometric Data	United States	Pending				27105097	1997/10/03
4484	P0065A	Self Aligning Optical Fiber Terminator	United States	Granted	6,078,115	2000/01/22		08184,516	1997/09/30
4483	P0066AAU	Tunable External Cavity Diode Laser	Australia	Pending				09728,282	1998/04/02
4483	P0066ACA	Tunable External Cavity Diode Laser	Canada	Pending				4046697	1997/07/28
4493	P0066AJP	Tunable External Cavity Diode Laser	Japan	Pending	2,261,036	1997/07/28		10508031	1998/01/26
4498	P0067AEP	Backflushing System For Gas Chromatography	Europe	Pending	0829717			97115653.4	1997/09/09
4498	P0067AJP	Backflushing System For Gas Chromatography	Japan	Pending				25087797	1997/08/16
4531	P0070AEP	Method And Apparatus To Compensate For Gas Chromatograph	Europe	Pending	0872732			98106822.4	1998/04/15
4531	P0070AJP	Method And Apparatus To Compensate For Gas Chromatograph	Japan	Pending				105122298	1998/04/15
4538	P0071A	Autosampler	United States	Pending				60722,992	1998/03/05
4590	P0072A	Autosampler Having Gripper With Shape Memory Metal Actuator	United States	Pending				09250,063	1998/02/12
4590	P0073AJP	Absorbance Correction In Atomic Absorption Spectroscopy	Japan	Granted	5,240,784			04-346133	1997/12/02
4590	P0079AJP	Computer Control Cable Multi-Port Valve	Japan	Granted	1,361,134	1987/01/20			
4590	P0085AEP	Regulated Deuterium Arc System Supply	Europe	Granted	0254326				
4590	P0085AJP	Regulated Deuterium Arc System Supply	Japan	Pending					
4590	P0085B	Apparatus And Method For Differential Analysis Using Signals	United States	Pending				09785,762	1998/07/24
4590	P0085C	Apparatus And Method For Differential Analysis Using Signals	United States	Granted	6,549,387	1998/08/27		08782,597	1998/04/23
4590	P0085D	3 Point Bending Measuring System	Europe	Granted	0428010	1994/06/01		90120839.5	1998/10/31
4590	P0085E	Optical Switching Apparatus With Retroreflector	United States	Granted	5,481,631	1996/01/02		087201,948	1994/02/25
4590	P0085F	Grouping Of Spectral Bands For Data Acquisition	United States	Granted	5,412,458	1995/05/02		087028,515	1995/03/09
4590	P0089AJP	Automatic Temperature Calibration Of Thermal Analyzers	Japan	Pending				2232060	1998/02/26
4590	P0091A	Deposited Glass Etalons	United States	Pending					
4590	P0091B	Photometric Instrument With Optical Fibers For Analyzing	Great Britain	Granted	2,280,026	1998/01/21		9412352.8	1994/06/20
4590	P0091C	Ion Detector, Detector Array And Instrument Using Same	PCT	Published				PCT/US97/06077	1997/04/11

4472	P0063A	Ion Detector, Detector Array And Instrument Using Same	United States	Pending			09/180,167	1989/11/03
4493	P0066B	Tunable External Cavity Diode Laser	United States	Pending			09/230,499	1993/01/26
2714	P0093AEP	Solvent Delivery System	Europe	Granted	0095171	1984/04/13	8211717.3	1982/12/17
2714	P0093AFR	Solvent Delivery System	France	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0093ADE	Solvent Delivery System	Germany	Granted	P3276327.2	1984/04/13	82111717.3	1982/12/17
2714	P0093ANL	Solvent Delivery System	Netherlands	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0093AIT	Solvent Delivery System	Italy	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0093AJP	Solvent Delivery System	Japan	Granted	1,764,707	1993/05/28	11602/83	1983/10/128
2714	P0093ASE	Solvent Delivery System	Sweden	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0093ACH	Solvent Delivery System	Switzerland	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0093AGB	Solvent Delivery System	Great Britain	Granted	0085171	1984/04/13	82111717.3	1982/12/17
2714	P0093A	Solvent Delivery System	United States	Granted	4,556,367	1985/12/03	06/632,758	1984/07/20
2765	P0094AFR	Spectrophotometer Gas Control System	France	Granted	0089204	1987/08/18		
2766	P0097ACB	Fluid Flow Control Device	Great Britain	Granted	2,085,614	1984/08/20	8125882.1	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	1,792,076	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	P3273842.0	1985/10/15	82106509.1	1982/07/17
2873	P0099ACH	Apparatus Useful With A Chromatography Column	Switzerland	Granted	0075689	1985/10/15	82106509.1	1982/07/19
2873	P0099AGB	Apparatus Useful With A Chromatography Column	Great Britain	Granted	0075689	1985/10/15	82106509.1	1982/07/19
2772	P0100ADE	Apparatus And Method Useful For Analyzing Refractory Substances	Germany	Granted	3205580	1993/05/13	3205580	1982/02/17
2772	P0100AJP	Apparatus Useful For Analyzing Refractory Substances	Japan	Granted	1,676,561	1992/06/26	22192/82	1982, 02/16
2780	P0101A	Apparatus Useful For Fractionating 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	Europe	Granted	0085372	1987/11/11	82111720.7	1982/12/17
2876	P0102AFR	Control Circuit For Liquid Chromatograph	France	Granted	0085372	1987/11/11	82111720.7	1982/12/17
2876	P0102ADE	Control Circuit For Liquid Chromatograph	Germany	Granted	P3277648.9	1987/11/11	82111720.7	1982/12/17
2876	P0102AIT	Control Circuit For Liquid Chromatograph	Italy	Granted	0085372	1987/11/11	82111720.7	1982/12/17
2876	P0102AJP	Control Circuit For Liquid Chromatograph	Japan	Granted	1,755,762	1993/04/23	10667/83	1983/01/22
2876	P0102ASE	Control Circuit For Liquid Chromatograph	Sweden	Granted	0085372	1987/11/11	82111720.7	1982/12/17
2876	P0102ACH	Control Circuit For Liquid Chromatograph	Switzerland	Granted	0085372	1987/11/11	82111720.7	1982/12/17
2876	P0102AGB	Control Circuit For Liquid Chromatograph	Great Britain	Granted	0085372	1987/11/11	82111720.7	1982/12/17
2876	P0102A	Control Circuit For Liquid Chromatograph	United States	Granted	4,450,574	1984/05/22	003343,405	1982/01/29
2898	P0103AFR	Spectrophotometer	France	Granted	0087568	1987/01/07	83100489.9	1983/10/128
2898	P0103ADE	Spectrophotometer	Germany	Granted	P3368964.9	1987/01/07	83100489.9	1983/10/128
2898	P0103ACH	Spectrophotometer	Great Britain	Granted	0087568	1987/01/07	83100489.9	1983/10/128
2898	P0103A	Spectrophotometer	United States	Granted	4,464,051	1984/08/07	007354,254	1982/03/02
2898	P0104AFR	Liquid Level Sensor	France	Granted	0129120	1984/08/07	84106228.4	1984/05/30
2898	P0104ADE	Liquid Level Sensor	Germany	Granted	P3473509.7	1984/08/07	84106228.4	1984/05/30
2898	P0104ACH	Liquid Level Sensor	Switzerland	Granted	0129120	1984/08/07	84106228.4	1984/05/30
2898	P0104AGB	Liquid Level Sensor	Great Britain	Granted	0129120	1984/08/07	84106228.4	1984/05/30
2898	P0104A	Liquid Level Sensor	United States	Granted	4,532,799	1985/08/06	00506,232	1983/06/17
2991	P0105A	Control Circuit For Stepper Motor	United States	Granted	4,417,189	1983/11/22	003344,247	1982/01/29
3007	P0106ADE	L.C. Sample Cell	Germany	Granted	3572537.0	1984/08/23	3572537	1983/08/23
3007	P0106AJP	L.C. Sample Cell	Japan	Granted	1,928,635	1995/05/12	16814/85	1983/02/04
3007	P0106ASE	Sample Cell Temperature Stabilizer	Sweden	Granted	0154792	1989/08/23	85100947.2	1985/11/20
3007	P0106ACH	Sample Cell Temperature Stabilizer	Switzerland	Granted	0154792	1989/08/23	85100947.2	1985/11/20
3007	P0106AGB	L.C. Sample Cell	Great Britain	Granted	0154792	1989/08/23	85100947.2	1985/11/20
3007	P0106A	Sample Cell Temperature Stabilizer	United States	Granted	4,598,765	1986/07/08	06/576,585	1984/02/03
3048	P0109ADE	Furnace Positioning Mechanism	Australia	Granted	561,564	1987/05/14	18454/83	1983/08/26
3048	P0109ACH	Furnace Positioning Mechanism	Germany	Granted	P3376584.5	1984/11/20	83107709.4	1983/08/04
3048	P0109AIT	Thin Driven Soda Glass Coated To Protect From Contact	Italy	Granted	0101882	1988/11/20	83107709.4	1983/08/04
3061	P0110AEP	Ship Churn Assembly	Great Britain	Granted	0101882	1988/11/20	83107709.4	1983/08/04
			Europe	Granted	0133226	1988/03/30	84108028.6	1984/7/9

3061	P0110ABE	Slip Clutch Assembly	Belgium	Granted	0,133,226	1988/03/30	84108028.6	1984/7/9
3061	P0110AFR	Slip Clutch Assembly	France	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110ADE	Coupler Mechanism	Germany	Granted	347,018.0	1988/03/30		
3061	P0110ANL	Slip Clutch Assembly	Netherlands	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110AIT	Slip Clutch Assembly	Italy	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110ACH	Slip Clutch Assembly	Switzerland	Granted	0133226	1988/03/30	84108028.6	1984/7/9
3061	P0110A	Slip Clutch Assembly	United States	Granted	4,560,050	1988/12/24	08517,090	1983/07/25
3076	P0111AEP	Spectrophotometer	Europe	Granted	0135761	1989/10/05	84109306.0	1984/08/09
3076	P0111ABE	Spectrophotometer	Belgium	Granted	0135761	1989/10/05	84109306.0	1984/08/09
3076	P0111AFR	Spectrophotometer	France	Granted	0135761	1989/10/05	84109306.0	1984/08/09
3076	P0111ADE	Optical Design Of Fourier Transform Spectrophotometer	Germany	Granted	P34B4868.9	1989/10/05	84109306.0	1984/08/09
3076	P0111ANL	Spectrophotometer	Netherlands	Granted	0135761	1989/10/05	84109306.0	1984/08/09
3076	P0111AIT	Spectrophotometer	Italy	Granted	0135761	1989/10/05	84109306.0	1984/08/09
3076	P0111AJP	Optical Design Of Fourier Transform Spectrophotometer	Japan	Granted	1,800,723	1989/11/12		
3076	P0111ACH	Spectrophotometer	Switzerland	Granted	0135761	1989/10/05	84109306.0	1984/08/09
3076	P0111ACB	Spectrophotometer	Great Britain	Granted	0135761	1989/10/05	84109306.0	1984/08/09
3076	P0111A	Spectrophotometer	United States	Granted	4,740,082	1988/04/26	081858,555	1986/04/24
3101	P0111A	Solvent Pressurizing System	United States	Granted	4,448,684	1988/03/15	08461,789	1983/07/28
3109	P0113A	Liquid Chromatography Controller	United States	Granted	4,618,935	1988/10/21	081568,765	1984/07/18
3111	P0114A	Pulse Damper	United States	Granted	4,548,713	1988/10/22	081565,664	1984/03/02
3111	P0114ADE	RTV Pulse Damper	Germany	Granted	3585429.5	1988/10/05	3585429	1988/10/05
3111	P0114AJP	RTV Pulse Damper	Japan	Granted				
3111	P0114ASE	Pulse Damper	Sweden	Granted	0156132	1988/10/05	85101262.6	1985/02/06
3111	P0114ACB	Pulse Damper	Switzerland	Granted	0156132	1988/10/05	85101262.6	1985/02/06
3111	P0114ACB	Pulse Damper	Great Britain	Granted	0156132	1988/10/05	85101262.6	1985/02/06
3138	P0118AAJ	Holder Assembly For Reaction Tubes	Australia	Allowed	706,789	1993/08/24	3288195	1993/08/27
3138	P0117AAJ	ICP Bad Plasma Detector	Australia	Allowed	705,036	1993/03/13	62194196	1994/02/11
3135	P0115AEP	Instantaneous Reading Multichannel Polychromatic Spectrophot	Europe	Granted	0192200	1996/03/06	86101801.6	1986/07/24
3135	P0115AFR	Instantaneous Reading Multichannel Polychromatic Spectrophot	France	Granted	0192200	1996/03/06	86101801.6	1986/07/24
3135	P0115ADE	A Novel Array Spectrometer	Germany	Granted	3650491.2	1996/03/06	3850491	1996/03/06
3135	P0115ANL	Instantaneous Reading Multichannel Polychromatic Spectrophot	Netherlands	Granted	0192200	1996/03/06	86101801.6	1986/07/24
3135	P0115AJP	A Novel Array Spectrometer	Japan	Granted	2,602,809	1997/07/29		
3135	P0115ACH	Instantaneous Reading Multichannel Polychromatic Spectrophot	Switzerland	Granted	0192200	1996/03/06	86101801.6	1986/07/24
3135	P0115ACB	Instantaneous Reading Multichannel Polychromatic Spectrophot	Great Britain	Granted	0192200	1996/03/06	86101801.6	1986/07/24
3138	P0118AAJ	Holder Assembly For Reaction Tubes	United States	Granted	4,678,917	1987/07/07	067703,260	1984/02/19
3138	P0118ADE	Holder Assembly For Reaction Tubes	Germany	Granted	3407065	1994/12/22	3407065	1994/02/27
3138	P0118AJP	Holder Assembly For Reaction Tubes	Japan	Granted	1,919,140	1989/04/07	3546884	1984/02/28
3138	P0118ACH	Holder Assembly For Reaction Tubes	Switzerland	Granted	5,032,283	1997/07/16	067882,017	1986/07/23
3138	P0118ACB	Holder Assembly For Reaction Tubes	Great Britain	Granted	5,032,283	1997/07/16	067882,017	1986/07/23
3138	P0118A	Holder Assembly For Reaction Tubes	United States	Granted	4,640,822	1987/02/03	06526,758	1983/08/21
3142	P0118AEP	Apparatus For Monitoring A Plasma Torch	Europe	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118AFR	An Apparatus And Method For Optimizing Separation Of An Unin	France	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118ADE	An Apparatus And Method For Optimizing Separation Of An Unin	Germany	Granted	P3586705.1	1992/09/30	85110513.0	1985/08/21
3142	P0118ANL	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	1996/07/25		
3142	P0118ACH	An Apparatus And Method For Optimizing Separation Of An Unin	Switzerland	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3142	P0118ACB	An Apparatus And Method For Optimizing Separation Of An Unin	Great Britain	Granted	0175925	1992/09/30	85110513.0	1985/08/21
3143	P0118A	Apparatus And Method For Optimizing Separation Of A Sample	United States	Granted	4,579,663	1988/04/01	061853,256	1984/09/24
3162	P0120A	Production Of Flexible Glass Capillary Tubing Without Extern	United States	Granted				
3163	P0120A	Light Detector Apparatus	United States	Granted	5,073,345	1997/12/17	06753,370	1985/07/09
3173	P0123AEP	Compensator Plate Adjustment For Beam Splitter	Europe	Granted	4,589,477	1988/05/20	06578,860	1984/02/03
3173	P0123AFR	Compensator Plate Adjustment For Beam Splitter	France	Granted	0137206	1997/10/23	84109507.8	1984/08/09
3173	P0123ADE	Compensator Plate Adjustment For Beam Splitter	Belgium	Granted	0137206	1997/10/23	84109507.8	1984/08/09
3173	P0123ANL	Compensator Plate Adjustment For Beam Splitter	Netherlands	Granted	0137206	1997/10/23	84109507.8	1984/08/09
3173	P0123AJP	Compensator Plate Adjustment For Beam Splitter	Japan	Granted	0137206	1997/10/23	84109507.8	1984/08/09
3173	P0123ACH	Compensator Plate Adjustment For Beam Splitter	Switzerland	Granted	0137206	1997/10/23	84109507.8	1984/08/09
3173	P0123ACB	Compensator Plate Adjustment For Beam Splitter	Great Britain	Granted	0137206	1997/10/23	84109507.8	1984/08/09
3173	P0123A	Compensator Plate Adjustment For Beam Splitter	United States	Granted	0137206	1997/10/23	84109507.8	1984/08/09

3173	P0123AJP	Compensator Plate Adjustment For Beam Splitter	Japan	Granted	2,131,945	1986/04/12		
3173	P0123ACH	Compensator Plate Adjustment For Beam Splitter	Switzerland	Granted	0,137,206	1987/10/123	04,109,507.8	1984/08/09
3173	P0123AGB	Compensator Plate Adjustment For Beam Splitter	Great Britain	Granted	0,137,206	1987/10/123	04,109,507.8	1984/08/09
3175	P0123AAB	Assembly For Adjusting An Optical Element	United States	Granted	4,735,505	1988/04/05	06,527,985	1983/08/30
3175	P0123ADE	Purge Shutter Mechanism	Belgium	Granted	0,144,539	1988/04/09		
3175	P0123ANL	Purge Shutter Mechanism	Germany	Granted	347,933.3	1988/04/09		
3175	P0123AJT	Purge Shutter Mechanism	Netherlands	Granted	0,144,539	1988/04/09		
3175	P0123AJP	Purge Shutter Mechanism	Italy	Granted	0,144,539	1988/04/09		
3175	P0123ACH	Purge Shutter Mechanism	Japan	Granted	1,772,551	1989/07/14		
3175	P0123AJP	Purge Shutter Mechanism	Switzerland	Granted	0,144,539	1989/08/09		
3175	P0123AJP	Purge Shutter Mechanism	United States	Granted	4,603,435	1989/08/09	08,549,952	1983/11/09
3178	P0123AEF	Digital Control For Rapid Refill Of A Liquid Chromatograph	Europe	Granted	0,194,450	1991/01/23	05,102,623	1986/02/07
3178	P0123ADE	Digital Control For Rapid Refill Of A Liquid Chromatograph P	France	Granted	0,194,450	1991/01/23		
3178	P0123ANL	Digital Control For Rapid Refill Of A Liquid Chromatograph	Germany	Granted	36,770,29.8	1991/01/23	36,770,29	1991/01/23
3178	P0123AJT	Digital Control For Rapid Refill Of A Liquid Chromatograph	Netherlands	Granted	0,194,450	1991/01/23		
3178	P0123AJP	Digital Control For Rapid Refill Of A Liquid Chromatograph	Italy	Granted	0,194,450	1991/01/23		
3178	P0123ASE	Digital Control For Rapid Refill Of A Liquid Chromatograph	Japan	Granted	1,979,685	1993/10/17		
3178	P0123ACH	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Sweden	Granted	0,194,450	1991/01/23		
3178	P0123AGB	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Switzerland	Granted	0,194,450	1991/01/23		
3178	P0123AJP	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Great Britain	Granted	0,194,450	1991/01/23		
3178	P0123AJP	Digital Control For Rapid Refill Of A Liquid Chromatograph P	United States	Granted	4,643,649	1997/02/17	06,700,765	1985/02/11
3186	P0126AEP	Interferometer Mirror Adjustment	Europe	Granted	0,156,173	1995/11/02	05,103,202	1985/03/19
3186	P0126AFR	Interferometer Mirror Adjustment	France	Granted	0,156,173	1995/11/02		
3186	P0126ADE	Interferometer Mirror Adjustment	Germany	Granted	P,357,4059.0	1995/11/02	357,4050	1989/11/02
3186	P0126AJP	Interferometer Mirror Adjustment	Japan	Granted	1,976,564	1995/08/30		
3186	P0126AGB	Interferometer Mirror Adjustment	Great Britain	Granted	0,156,173	1995/11/02		
3196	P0128AEP	Assembly For Producing An Optical Element	United States	Granted	4,621,889	1996/11/11	06,598,768	1984/08/09
3213	P0128AEP	Micro Argon Detector	Europe	Granted	0,184,492	1992/08/19	05,305,185.9	1985/07/22
3213	P0128AFR	Micro Argon Detector	France	Granted	0,184,492	1992/08/19	05,305,185.9	1985/07/22
3213	P0128ADE	Micro Argon Detector	Germany	Granted	P,356,6528.6	1992/08/19	05,305,185.9	1985/07/22
3213	P0128ANL	Micro Argon Detector	Netherlands	Granted	0,184,492	1992/08/19	05,305,185.9	1985/07/22
3213	P0128AJP	Micro Argon Detector	Japan	Granted	1,898,498	1993/01/23	27,839,265	1985/12/15
3213	P0128ACH	Micro Argon Detector	Switzerland	Granted	0,184,492	1992/08/19	05,305,185.9	1985/07/22
3213	P0128AGB	Micro Argon Detector	Great Britain	Granted	0,184,492	1992/08/19	05,305,185.9	1985/07/22
3213	P0128AJP	Micro Argon Detector	United States	Granted	4,740,885	1998/04/26	06,707,563	1985/10/15
3234	P0128AJP	Ionization Detectors for Gas Chromatography	United States	Granted	4,609,810	1998/08/02	06,624,313	1984/06/25
3234	P0128AJP	Apparatus for controlling a Plasma	Europe	Granted	0,181,493	1992/05/20	04,104,441.2	1985/04/12
3255	P0130AEP	Liquid Chromatographic Cartridge Column System	France	Granted	0,181,493	1992/05/20	04,104,441.2	1985/04/12
3255	P0130AFR	Liquid Chromatographic Cartridge Column System	Germany	Granted	P,356,6068.5	1992/05/20	05,104,441.2	1985/04/12
3255	P0130ADE	Liquid Chromatographic Cartridge Column System	Netherlands	Granted	0,181,493	1992/05/20	05,104,441.2	1985/04/12
3255	P0130ANL	Liquid Chromatographic Cartridge Column System	Japan	Granted	2,574,045	1998/03/27	11,995,594	1985/09/07
3255	P0130AJP	Liquid Chromatographic Cartridge Column System	Switzerland	Granted	0,181,493	1992/05/20	05,104,441.2	1985/04/12
3255	P0130ACH	Liquid Chromatographic Cartridge Column System	Great Britain	Granted	0,181,493	1992/05/20	05,104,441.2	1985/04/12
3255	P0130AGB	Liquid Chromatographic Cartridge Column System	United States	Granted	4,587,014	1996/05/06	06,607,878	1984/05/07
3255	P0130AJP	Liquid Chromatographic Cartridge Column System	Europe	Granted	0,282,043	1993/10/20		
3256	P0131AEP	Polymerization For Multi-Element Analysis	Europe	Granted	0,155,496	1991/01/02	05,101,457	1985/02/11
3256	P0131AFR	Polymerization For Multi-Element Analysis	United States	Granted	4,785,257	1993/01/03	07,024,237	1987/03/10
3256	P0131ADE	Dual Servo Impedance Matching System For Icp Spectroscopy	France	Granted	0,155,496	1991/01/02		
3256	P0131AJT	Dual Servo Impedance Matching System For Icp Spectroscopy	Germany	Granted	P,356,0991.4	1991/01/02	356,0991	1991/01/20
3256	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	Italy	Granted	2,111,789	1996/03/22	6,105,083	1985/02/28
3256	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	United States	Granted	5,100,187	1992/04/28	07,772,393	1991/06/19
3256	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	Great Britain	Granted	0,155,496	1991/01/02		
3256	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	United States	Granted	4,629,940	1996/12/16	06,585,807	1984/03/02
3256	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	Europe	Granted	0,656,751	1998/08/05		
3256	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	France	Granted	0,656,751	1998/08/05		

4314	P0245ADE	Correction Of Spectra For Stray Radiation	Germany	Granted	6,941,222.1	1998/04/05			
3259	P0132AEP	Multiple Streams Sampling System	Europe	Granted	0,154,188	1991/09/25			
4314	P0245AJP	Correction Of Spectra For Stray Radiation	Japan	Pending					
3258	P0132ADE	Multiple Streams Sampling System	Germany	Granted	3,584,175.3	1991/09/25			
4314	P0132ASE	Multiple Streams Sampling System	Sweden	Granted	0,154,188	1991/09/25			
3259	P0245AGB	Correction Of Spectra For Stray Radiation	Great Britain	Granted	0,658,751	1988/02/05			
4314	P0132ACH	Multiple Streams Sampling System	Switzerland	Granted	0,154,188	1991/09/25			
3259	P0245A	Correction Of Spectra For Stray Radiation	United States	Granted	5,428,558	1995/06/27			
3267	P0132A	Apparatus For Periodically Monitoring Composition of Samples	United States	Granted	4,678,639	1997/07/07			
3292	P0134A	Synchronous Wavelength Drive And Data Acquisition Conversion	United States	Granted	4,660,977	1997/04/28			
3296	P0135A	Safety Apparatus for an Atomic Absorption Spectro Burner	United States	Granted	4,668,267	1996/02/04			
3307	P0137A	Self-Sprung Lampholder	Europe	Granted	4,597,034	1985/06/24			
3307	P0138AEP	Programmed Temperature Control Of A Thermal System	France	Granted	0,184,283	1991/12/04			
3307	P0138AFR	Programmed Temperature Control Of A Thermal System	Germany	Granted	0,184,283	1991/12/04			
3307	P0138ADE	Programmed Temperature Control Of A Thermal System	Netherlands	Granted	0,184,283	1991/12/04			
3307	P0138AHL	Programmed Temperature Control Of A Thermal System	Japan	Granted	2,003,593	1996/03/19			
3307	P0138AJP	Programmed Temperature Control Of A Thermal System	Switzerland	Granted	0,184,283	1991/12/04			
3307	P0138ACH	Programmed Temperature Control Of A Thermal System	Great Britain	Granted	0,184,283	1991/12/04			
3307	P0138AGB	Programmed Temperature Control Of A Thermal System	United States	Granted	4,752,218	1988/06/21			
3309	P0138A	Programmed Temperature Control Of A Thermal System	United States	Granted	4,837,441	1989/06/06			
3309	P0139A	Ionization Detectors For Gas Chromatography	Great Britain	Granted	2,183,897	1990/07/11			
3312	P0140ADE	Linearized Ultra-Low Noise MCT Preamp	Germany	Granted	3,605,488	1995/05/24			
3312	P0140AJP	Detector Preamplifier for Use with a MCT Detector	Japan	Granted	2,068,543	1996/07/10			
3313	P0141A	Fluid Flow Control System	Great Britain	Granted	4,617,953	1987/07/21			
2445	P0256ADE	Optical Beam Switching Apparatus	United States	Granted	4,617,953	1986/10/21			
2445	P0256AHL	Optical Beam Switching Apparatus	Germany	Granted	2,282,145	1987/09/10			
2445	P0256AGB	Optical Beam Switching Apparatus	Italy	Granted	1,115,127	1986/02/03			
3321	P0143A	System for Changing Oxidants in a Spectrophotometer	Great Britain	Granted	1,599,349	1978/05/20			
2515	P0257AJP	Phase Synchronization Apparatus	United States	Granted	4,571,172	1988/02/18			
2515	P0257AGB	Phase Synchronization Apparatus	Japan	Granted	1,711,151	1992/11/11			
2646	P0258AJP	Method And Apparatus For Determining The Nature Of An Unknown	Great Britain	Granted	2,092,288	1992/11/11			
2780	P0101AAU	Apparatus Useful For Positioning A Light Filter	United States	Granted	4,386,852	1983/06/07			
3331	P0144AFR	Solvent Pressurizing & Degasing System	Japan	Granted	1,670,092	1992/06/12			
3331	P0144AEP	Solvent Pressurizing & Degasing System	Great Britain	Granted	2,070,235	1984/02/01			
3331	P0144ADE	Solvent Pressurizing & Degasing System	Australia	Granted	584,477	1985/12/12			
3331	P0144ACH	Solvent Pressurizing & Degasing System	France	Granted	0,179,349	1989/05/24			
3331	P0144AGB	Solvent Pressurizing & Degasing System	Europe	Pending					
60377E	P0280AJP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Germany	Granted	3,570,527.2	1989/05/24			
3365	P0145AEP	Ionization Detectors For Gas Chromatography	Netherlands	Granted	0,179,349	1989/05/24			
3365	P0145AFR	Ionization Detectors For Gas Chromatography	Switzerland	Granted	0,179,349	1989/05/24			
3365	P0145ADE	Ionization Detectors For Gas Chromatography	Great Britain	Granted	0,179,349	1989/05/24			
3365	P0145ACH	Ionization Detectors For Gas Chromatography	United States	Granted	0,179,349	1989/05/24			
3365	P0145AGB	Ionization Detectors For Gas Chromatography	Japan	Granted	3,053,832	1992/04/07			
3365	P0145A	Ionization Detectors For Gas Chromatography	Europe	Granted	0,249,714	1992/06/17			
3365	P0145AJP	Ionization Detectors For Gas Chromatography	Germany	Granted	0,249,714	1992/06/17			
3365	P0145AHL	Ionization Detectors For Gas Chromatography	Netherlands	Granted	0,249,714	1992/06/17			
3365	P0145AGB	Ionization Detectors For Gas Chromatography	Canada	Granted	2,007,782	2000/10/14			
4369	P0042AAU	Nebulizer	Australia	Granted	707,363	1999/07/08			

3369	P0146AEP	Automatic Optimization Procedure	Europe	Granted	0192201	1992/07/29			
3369	P0146AAU	Automatic Optimization Procedure	Australia	Granted	586,853	1993/01/27	63944/86	1986/02/20	
3369	P0146ACA	Automatic Optimization Procedure	Canada	Granted	1,271,342	1990/07/10	500,841	1986/01/21	
3369	P0146ADE	Automatic Optimization Procedure	Germany	Granted	3666175.8	1992/07/29			
3369	P0146ANL	Automatic Optimization Procedure	Netherlands	Granted	0192201	1992/07/29			
3369	P0146AUT	Automatic Optimization Procedure	Italy	Granted	0192201	1992/07/29			
3369	P0146AJP	Automatic Optimization Procedure	Japan	Granted	1,811,192	1993/05/09	35408/86	1986/02/21	
3369	P0146ACH	Automatic Optimization Procedure	Switzerland	Granted	0192201	1992/07/29	06704,358	1985/02/21	
3318	P0199AAU	Atomic Absorption Spectrometer	Australia	Granted	4,689,754	1993/09/16	60958/85	1986/08/07	
3318	P0199AJP	Atomic Absorption Spectrometer	Japan	Granted	502,261	1986/12/06			
3318	P0199A	Atomic Absorption Spectrometer	United States	Granted	2,118,078	1993/10/21	06893,746	1986/08/06	
3322	P0200AJP	Gas Control Device For Controlling The Fuel Gas	United States	Granted	4,991,960	1993/10/21	06893,746	1986/08/06	
3377	P0147A	Gas Control Device For Controlling The Fuel Gas	Japan	Granted	2,016,021	1993/10/21	191707/85	1986/08/18	
3382	P0203A	Burner Assembly For Atomic Absorption Spectrometer	United States	Granted	4,688,324	1987/06/02	06853,263	1986/04/17	
3377	P0147AJP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	4,776,694	1988/10/11	06932,937	1986/11/19	
4341	P0175A	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Japan	Granted					
3308	P0262A	Electrothermal Atomization Furnace For Spectroscopy	United States	Granted	5,053,621	1991/10/01	07618,123	1990/11/19	
3328	P0018A	Synchronization Of Digital Signals With Alternating Current	United States	Granted	4,917,493	1990/04/17	07705,608	1988/06/12	
4014	P0023A	Puncher/Homing Mechanism For Use In Chromatography	United States	Granted	4,961,207	1990/10/02	07789,150	1989/08/02	
4070	P0031A	Single Element Thermal Conductivity Detector	United States	Granted	5,360,586	1996/11/01	07504,826	1990/04/05	
4037	P0025A	Circuit For Heating And Sensing With A Single Element	United States	Granted	5,265,459	1993/11/20	07748,588	1991/09/22	
2695	P0261AAU	Optical Coupling Device	Australia	Granted	5,098,196	1992/03/24	07637,392	1991/10/04	
2695	P0261ADE	Optical Coupling Device	Germany	Granted	542,372	1993/02/25	76927/81	1991/10/20	
2695	P0261ACH	Optical Coupling Device	Switzerland	Granted	3175932.7	1987/02/25	3175932	1987/02/25	
4045	P0027A	Standardizing And Calibrating A Spectrometric Instrument	United States	Granted	5,303,165	1994/04/12	07834,448	1992/02/12	
4317	P0041A	Hybrid Valving System For Varying Fluid Flow Rate	United States	Granted	5,328,985	1994/07/19	08100,586	1993/07/20	
4382	P0044A	Optical Spectrometer For Detecting Spectra In Separate Range	United States	Granted	5,565,883	1995/10/15	08451,351	1995/05/26	
4369	P0042A	Nebulizer	United States	Granted	5,464,157	1995/11/07	08276,144	1994/07/18	
4371	P0043B	Spark Sampling Microparticle Generator And Method	United States	Granted	5,452,069	1995/08/19	08131,854	1993/10/15	
3984	P0021A	3 Point Bending Measuring System	United States	Granted	4,976,162	1990/12/11	07435,114	1989/11/13	
4015	P0024C	Vial Locator And Sensor	United States	Granted	5,171,530	1992/12/15	07803,669	1991/12/03	
3382	P0064AEP	Integral Separation Capillary/Conductivity Detector	Europe	Granted	0241940	1993/01/27	87105712.1	1987/04/06	
3382	P0064AFR	Integral Separation Capillary/Conductivity Detector	France	Granted	0241940	1993/01/27	87105712.1	1987/04/06	
3382	P0064ADE	Integral Separation Capillary/Conductivity Detector	Germany	Granted	P37837/88.2	1993/01/27	87105712.1	1987/04/16	
3382	P0064ANL	Integral Separation Capillary/Conductivity Detector	Netherlands	Granted	0241940	1993/01/27	87105712.1	1987/04/16	
3382	P0064AUT	Integral Separation Capillary/Conductivity Detector	Italy	Granted	0241940	1993/01/27	87105712.1	1987/04/16	
3382	P0064AJP	Integral Separation Capillary/Conductivity Detector	Japan	Granted	2,735,546	1993/01/27			
3382	P0064ASE	Integral Separation Capillary/Conductivity Detector	Sweden	Granted	0241940	1993/01/27	87105712.1	1987/04/16	
3382	P0064AGB	Method of Fabricating Capillary/Conductivity Detector	Great Britain	Granted	0241940	1993/01/27	87105712.1	1987/04/16	
3382	P0064A	Grasping Finger Position Sensor For A Robot System	United States	Granted	4,816,123	1989/03/28	07705,608	1987/07/06	
3401	P0266A	Power Circuit For Spectral Analysis Gaseous Discharge Lamps	United States	Granted	4,692,805	1987/07/28	06830,183	1986/02/18	
3433	P0267A	Fluoro Atomic Absorption Spectrophotometer	United States	Granted	4,716,342	1987/12/29	06804,946	1986/12/05	
3435	P0268A	Fluoro Atomic Absorption Spectrophotometer	United States	Granted	4,726,679	1988/02/23	06835,145	1986/03/03	
3436	P0269A	Flickerless Translational Beating	United States	Granted	4,684,811	1987/08/04	06855,895	1986/07/25	
3471	P0270A	System For Calibrating A Monochromator	United States	Granted	4,779,216	1988/10/18	06857,436	1986/03/07	
3480	P0271A	High Pressure Column Assembly For A Liquid Chromatograph	United States	Granted	4,876,005	1989/10/24	077281,374	1988/12/08	
3480	P0271AEP	High Pressure Column Assembly For A Liquid Chromatograph	Europe	Granted	0268145	1993/09/20	89102368.1	1993/02/10	
3480	P0271ADE	High Pressure Column Assembly For A Liquid Chromatograph	Germany	Granted	P68924284.0	1993/09/20	89102368.1	1993/02/10	
3480	P0271AGB	High Pressure Column Assembly For A Liquid Chromatograph	Great Britain	Granted	0268145	1993/09/20	89102368.1	1993/02/10	
3514	P0272A	Programmable Lamp Plug	United States	Granted	4,670,813	1991/08/02	06862,924	1985/11/29	
	P0273A	Phase Angle Measurement	United States						
	P0273AEP	Phase Angle Measurement	Europe						
	P0273AFR	Phase Angle Measurement	France						
	P0273ADE	Phase Angle Measurement	Germany						
	P0273AUT	Phase Angle Measurement	Italy						

	P0273AJP	Phase Angle Measurement	Japan						
	P0273ACH	Phase Angle Measurement	Switzerland						
	P0273AGB	Phase Angle Measurement	Great Britain						
	P0257ADE	Phase Synchronization	Germany						
3048	P0106AAEP	Chromatography Column	Europe	Granted	0.10.1982	1988/1/30	83107709	1983/0/04	
3576	P0286AEF	Regulated Deuterium Arc Supply System	United States	Granted	4.72.22.6	1988/05/03	061889.556	1986/07/25	
3836	P0286A	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	4.994.67.6	1991/02/19	071544.798	1990/04/25	
3956	P0250AKR	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Korea	Granted	141.585				
2255	P0276ADE	Variable Gain Amplifier	Germany	Granted	3307.697	1989/06/29	3307597	1983/0/30	
2965	P0085AJP	Apparatus For Reducing Current Leakage From A Resistance	Japan	Granted	1.559.343	1990/07/30	514269/42	1982/05/31	
2695	P0261AEP	Optical Coupling Device	Europe	Granted	005.152	1987/02/25	81107860	1981/1/002	
2742	P0279AEP	Flowmeter System With Synchronous Clock For Generation Of TI	Europe	Granted	00598106	1987/09/09	81110555	1981/1/217	
2851	P0098AEP	Optical Beam Splitter	Europe	Granted	00598336	1985/05/02.1	81100546.3	1982/01/128	
2873	P0098AEP	Apparatus Usable With A Chromatography Column	Europe	Granted	0075669	1986/10/15	82108509	1982/07/19	
2889	P0102AEP	Spectrophotometer	Europe	Granted	0087586	1987/01/07	81100499.8	1983/0/120	
2930	P010AAEP	Liquid Level Sensor	Europe	Granted	0128120	1988/04/17	84106228.4	1984/05/30	
3007	P0106AEP	Sample Cell Temperature Stabilizer	Europe	Granted	0154792	1989/04/23	85100947.2	1985/01/30	
3111	P0114AEP	Pulse Damper	Europe	Granted	0156132	1988/10/05	85101252.6	1985/02/08	
3331	P0274AEP	Solvent Pressurizing & Degassing System	Europe	Granted	0178349	1989/05/24	85112742	1985/10/08	
2730	P027BAEP	Multi-port Valve In Gas Collection System And Method	Europe	Granted	0185926	1992/09/20	85114718.1	1985/11/19	
4086	P0033A	Photometric Instrument With Optical Fibers For Analyzing	United States	Granted	5.428.698	1990/06/27	087092.162	1983/07/15	
4317	P0041AAU	Hybrid wicking system for varying fluid flow rate	Australia	Granted	692.773	1990/05/01	868795/44	1994/07/28	
4432	P0051B	Thermal Insulating Container For Liquefied Gas	United States	Granted	5.665.681	1991/06/12	087724.432	1996/10/01	
4433	P0052A	Connecting Apparatus For Conveyance Of Gaseous Fluid	United States	Granted	5.716.082	1990/06/09	087569.535	1995/12/08	
4434	P0053A	Fluid Carrying Device With Removable Connection	United States	Granted	5.925.265	1990/07/20	08950.775	1997/11/015	
4471	P0062A	Mounting Apparatus For Induction Coupled Plasma Torch	Germany	Granted	4.13.5021	1991/01/07.3	P4135021.9	1991/11/015	
4012	P0281ADE	Analysis Of Organic Material	Europe	Granted	0280335	1995/07/26	88102840.9	1988/02/26	
3528	P0285AEP	Thermal Conductivity Detector	Europe	Granted	0281986	1994/02/02	88103409.4	1988/03/04	
3703	P0286AEP	Inductively Coupled Plasma Torch With Sample Injector	Europe	Granted	0281158	1994/01/12	88103413.6	1988/03/04	
3638	P0287AEP	Power System For Inductively Coupled Plasma Torch	Europe	Granted	0281157	1994/06/29	88103403.7	1988/03/04	
3637	P0286AEP	Chromatography Column	Europe	Granted	0287822	1993/03/10	88105748.3	1988/04/11	
3654	P0290ADE		Germany	Granted	263881	1990/10/17	3219687	1988/11/18	
	P0291AFR		France	Granted	7126944	1972/03/06	7126944	1971/07/13	
0645	P0292ADE		Germany	Granted	355407/755	1996/04/22	355407/755.9	1995/10/06	
4559	P0296AEP	Computer Operated Spectrometric Instrument	Europe	Published				1999/04/27	
3527	P0297AEP	Low Frequency Signal Processing Circuitry	Europe	Granted	8334303	1994/07/20	89105064.3	1989/03/21	
3809	P0300AEP	Monochromator Drift Compensation	Europe	Granted	0344783	1994/03/02	89109946.3	1989/06/01	
3772	P0301AEP	Standardization Of Spectral Lines	Europe	Granted	0344782	1993/10/27	89109947.5	1989/06/01	
	P0302AEP		Europe						
	P0304AEP		Europe						
4088	P0307AEP	Method And Apparatus For Comparing Spectra	Europe	Granted	0353700	1997/03/26	92116913.2	1992/10/02	
4073	P0308AEP	Apparatus For Differential Analysis Of Sample Dielectric Pro	Europe	Granted	0358972	1993/09/08	93102168.7	1993/02/11	
4511	P0069B	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			097085.248	1994/04/28	
4582	P0074B	Monitoring Constituents Of An Animal Organ Using Radiation	United States	Pending			097285.242	1999/08/28	
4083	P0079AJP	Method Of Manufacturing Glass Beads	Japan	Granted	5.236.821		13112889.92	1992/11/18	
4498	P0087B	Backwashing System For Gas Chromatography	United States	Granted	5.933.357	1999/09/03	087051.799	1997/05/06	
3915	P0317AJP		Japan	Pending			01-508578	1998/07/27	
3913	P0318AJP		Japan	Pending			01-508455	1998/07/27	
4113	P0319AJP		Japan	Pending			05-263036	1993/09/28	
2730	P0279ADE	Multi-port Valve In Gas Collection System And Method	Germany	Granted	P3586715.9	1992/09/30	85114718.1	1985/11/19	
3684	P0286ADE	Chromatography Column	Germany	Granted	P3878970.1	1993/03/10	86105744.3	1988/04/11	
3772	P0301ADE	Standardization Of Spectral Lines	Germany	Granted	P68910188.0	1993/10/27	85109847.5	1989/06/01	
2746	P0320ADE		Germany	Granted	3175377		3175277	1986/09/03	
3516	P0272ADE		Germany	Granted	13682749		13682749	1991/11/204	

3638	P0286ADE	Inductively Coupled Plasma Torch With Sample Injector	Germany	Granted	P3808962.4	1994/01/12	88103413.6	1988/02/04
3703	P0285ADE	Thermal Conductivity Detector	Germany	Granted	P3887541.1	1994/02/02	88103409.4	1988/02/04
3809	P0300ADE	Monochromator Drift Compensation	Germany	Granted	P6813359.6	1994/03/02	89109948.3	1988/06/01
3837	P0287ADE	Power System For Inductively Coupled Plasma Torch	Germany	Granted	P3850422.7	1994/06/29	88103403.7	1988/03/04
3527	P0297ADE	Low Frequency Signal Processing Circuitry	Germany	Granted	P68916824.1	1994/07/20	89105084.3	1989/03/21
3536	P0307ADE	Detector Cell For Spectrophotometer Used In Liquid Chromatography	Germany	Granted	P68923389	1995/07/12	89105083.1	1989/03/23
4038	P0307ADE	Method And Apparatus For Computing Speeds	Germany	Granted	P69216536.4	1997/03/28	92116913.2	1992/10/02
4073	P0308ADE	Apparatus For Differential Analysis Of Sample Dielectric Properties	Germany	Granted	P69220217	1998/09/17	93102217	1993/02/11
3628	P0284ADE	Zero-Dilution Split Injector Liner For Gas Chromatography	United States	Granted	P3854209.9	1995/07/26	88102940.9	1988/02/26
4637	P0327A	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			601154.209	1999/09/16
4638	P0328A	Hybrid Film Type Sensor	United States	Pending			084443.675	1999/11/19
4607	P0328A	Enclosure For Analytical Instrumentation	United States	Pending			08444.334	1999/11/19
4501	P0330A	Detection Of Low Level Analytes In Samples Using Agglutinated	United States	Granted	D412.981	1999/08/17	287054.988	1997/01/16
3809	P0300AAU	Monochromator Drift Compensation	United States	Granted	5,942.442	1999/08/24	08831.206	1997/04/02
3809	P0300A	Monochromator Drift Compensation	Australia	Granted	612.847	1991/07/18	33874689	1989/06/01
3809	P0300A	Monochromator Drift Compensation	United States	Granted	4,916.645	1990/04/10	07201.250	1988/05/02
3809	P0300ACA	Monochromator Drift Compensation	Canada	Granted	1,321.486	1993/08/24	601.458	1989/06/01
3828	P0018A0E	Circuit For Synchronizing Digital Signals With Alternating C	Germany	Granted	4,024.459	1991/02/07	P4024459.8	1990/08/01
3828	P0018A0E	Circuit For Synchronizing Digital Signals With Alternating Cur	Germany	Granted	2,235.837	1993/08/16	9016503.6	1990/07/27
4015	P0024ADE	Vial Locator And Sensor	Germany	Granted	P69108708.9	1995/05/17	91102281.2	1991/02/16
4015	P0024AEP	Vial Locator And Sensor	Europe	Granted	0444498	1995/05/17	91102281.2	1991/02/16
4015	P0024AAU	Vial Locator And Sensor	Australia	Granted	640.453	1995/08/26	7193391	1991/02/27
4070	P0031AEP	Single Element Thermal Conductivity Detector	Europe	Granted	0529295	1998/08/02	92112375.8	1992/07/20
4070	P0031ADE	Single Element Thermal Conductivity Detector	Germany	Granted	69226833.2	1998/08/02	92112375.8	1992/07/20
4073	P0308A	Apparatus For Differential Analysis Of Sample Dielectric Pro	United States	Granted	5,309.110	1994/06/03	07846.994	1992/03/04
2730	P0278A0E	Detector Cell For Liquid Chromatography	Great Britain	Granted	0185825	1992/08/30	85114718.1	1993/11/19
3536	P0288A0E	3 Point Bending Measuring System	Great Britain	Granted	0335288	1995/07/12	89103263.1	1989/03/23
3884	P0024AGB	Vial Locator And Sensor	Great Britain	Granted	0428010	1994/06/01	90120859.5	1990/10/31
4015	P0024AGB	Standardizing And Calibrating A Spectrometric Instrument	Great Britain	Granted	0444498	1995/05/17	93102281.2	1991/02/16
4045	P0027AGB	Photodetector/Amplifier Linearity	Great Britain	Granted	0552604	1997/07/10	93100102.8	1993/01/07
4046	P0028A0E	Method Of Manufacturing Glass Beads	Great Britain	Granted	2,281.659	1995/06/28	9223589.3	1992/11/11
4063	P0029A0E	Apparatus For Differential Analysis Of Sample Dielectric Pro	Great Britain	Granted	0558972	1998/08/12	93102168.7	1993/02/11
4073	P0030A0E	Apparatus For Differential Analysis Of Sample Dielectric Pro	Great Britain	Granted	2,282.180	1995/08/02	9223548.0	1992/11/11
4076	P0030A0E	Absorbance Correction In Atomic Absorption Spectroscopy	Great Britain	Granted	2,261.534	1995/12/06	9223589.5	1992/11/11
4091	P0030A0E	Method For Heating A Thermocouple Detector Source	Great Britain	Granted	2,116.753	1996/01/29	9301666.5	1993/02/10
2856	P0036A0E	Variable Gain Amplifier	Great Britain	Granted	0328541	1996/04/17	92114331.9	1992/08/21
4056	P0031A0E	Double Beam Detector System For Liquid Chromatography	Germany	Granted			P4424561.6	1994/07/14
4085	P0034ADE	Photometric Instrument With Optical Fibers For Analyzing	United States	Pending			09101.819	1998/10/20
	P0033A	Method For Processing A Sample	United States	Allowed			110021110	1996/01/17
	P0033ANL	Method For Processing A Sample	The Netherlands	Pending				1997/01/07
	P0033ANL	Method For Processing A Sample	PCT	Pending				1997/01/07
4462	P0328ACA	Detection Of Low Level Hydrophobic Analytes In Samples	Canada	Published			2,285.282	1998/04/02
4462	P0328ACA	Detection Of Low Level Hydrophobic Analytes In Samples	Europe	Published			08914440.7	1998/04/02
4462	P0328AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Europe	Published			10542004	1998/04/02
4462	P0328AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Japan	Published			168196498	1998/04/02
4462	P0328AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Australia	Published			2,285.219	1998/04/02
4482	P0328AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Canada	Pending			98814435.7	1999/10/04
4501	P0330ACA	Detection Of Low Level Analytes In Samples Using Agglutinat	Europe	Published			168193198	1998/04/02
4501	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutinat	Australia	Pending			110541999	1999/10/04
4501	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutinat	Japan	Pending			97900480.1	1999/10/04
4501	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutinat	Europe	Pending				1999/10/04
4482	P0328A	Detection Of Low Level Hydrophobic Analytes In Samples	United States	Granted	5,891.740	1999/04/06	108832.168	1997/04/02
3729	P0033A	Detector For A Spectrometer	United States	Granted	4,820.048	1999/04/11	07123.025	1997/11/19
4086	P0034B0E	Photometric Instrument With Optical Fibers For Analyzing	Great Britain	Granted	2,312.044	1998/01/21	19741780.5	1997/07/14
4589	P0296A	Computer Operated Spectrometer Instrument	United States	Allowed			09300.609	1999/04/27
	P00337A	Method And Apparatus For Iterative Spectral Compensation	United States	Pending			09503.092	2000/02/11
5002	P0033A	Method And Apparatus For Impurity Detection	United States	Pending			09561.800	2000/04/27

4008	P0307AJP	Method And Apparatus For Comparing Spectra	Japan	Granted	5-209326	1993/08/20	4-28/034	1992/10/02
4501	P0330B	Detection Of Low Level Analyses In Samples Using Alignment	United States	Pending				
	P0338A	Spectroscopic Determination Of The Dissociation Constants	United States	To File				
4649	P0340A	Non-Inhomogeneous Determination Of Protein-Ligand Interaction	United States	Granted	598,940	1990/07/05	18175/86	1988/06/20
3808	P0262AAU	Electrothermal Atomization Furnace For Spectroscopy	Australia	Granted	5,058,886	1991/10/15	07/803,592	1990/10/25
4010	P0341A	Optical Switching Device	United States	Granted	5,198,009	1993/03/30	07/796,497	1991/11/22
4063	P0028A	Method Of Manufacturing Glass Beads	United States	Granted	5,526,451	1996/06/11	08/034,650	1994/10/18
4086	P0034B	Photometric Instrument With Optical Filters For Analyzing	United States	Granted	4,905,683	1991/07/15	07/173,201	1988/02/24
3527	P0297A	Phase Angle Measurement	France	Granted	0334303	1994/07/20	89105064.3	1989/02/21
3527	P0297AFR	Phase Angle Measurement	France	Granted	0334303	1994/07/20	89105064.3	1989/02/21
3527	P0297AIT	Phase Angle Measurement	Italy	Granted	0334303	1994/07/20	89105064.3	1989/02/21
3527	P0297ACH	Phase Angle Measurement	Switzerland	Granted	1,316,631	1989/12/21	73716/88	1989/03/24
3527	P0297AGB	Phase Angle Measurement	Switzerland	Granted	0334303	1994/07/20	89105064.3	1989/02/21
3602	P0016AEF	Line Frequency Stepped Voltage-To-Frequency Converter System	United States	Granted	4,688,573	1989/08/19	07/119,584	1987/11/12
3602	P0016AFR	Line Frequency Stepped Voltage-To-Frequency Converter System	Europe	Granted	0266682	1993/07/14	87115317.4	1987/10/29
3602	P0016ADE	Line Frequency Stepped Voltage-To-Frequency Converter System	France	Granted	0266682	1993/07/14	87115317.4	1987/10/29
3602	P0016ANE	Line Frequency Stepped Voltage-To-Frequency Converter System	Germany	Granted	P3786522.6	1993/07/14	87115317.4	1987/10/29
3602	P0016ACH	Line Frequency Stepped Voltage-To-Frequency Converter System	Netherlands	Granted	0266682	1993/07/14	87115317.4	1987/10/29
3602	P0016AGB	Line Frequency Stepped Voltage-To-Frequency Converter System	Switzerland	Granted	0266682	1993/07/14	87115317.4	1987/10/29
3628	P0284A	Analysis Of Organic Material	Great Britain	Granted	0266682	1993/07/14	87115317.4	1987/10/29
3628	P0284C	Analysis Of Organic Material	United States	Granted	4,795,614	1991/09/03	07/019,905	1987/10/27
3628	P0284Q	Analysis Of Organic Material	United States	Granted	5,013,628	1991/09/03	07/178,713	1987/10/27
3703	P0284AIT	Analysis Of Organic Material	Italy	Granted	0260335	1993/07/26	88102840.0	1988/02/26
3628	P0284AJP	Analysis Of Organic Material	Japan	Granted	2,683,011	1993/07/26	88102840.0	1988/02/26
3628	P0284CJP	Analysis Of Organic Material	Japan	Granted	2,730,624	1993/07/26	88102840.0	1988/02/26
3628	P0284AGB	Analysis Of Organic Material	Japan	Pending				
3837	P0287A	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0280335	1993/07/26	88102840.0	1988/02/26
3837	P0287AFR	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,618,916	1988/03/06	07/022,808	1987/10/30
3837	P0287AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	9281157	1994/06/29	88103403.7	1988/03/04
3837	P0287AGB	Power System For Inductively Coupled Plasma Torch	Japan	Granted	2,708,447	1993/10/17	871294466	1988/03/07
3638	P0286A	Inductively Coupled Plasma Torch With Sample Injector	Great Britain	Granted	0281157	1994/06/29	88103403.7	1988/03/04
3638	P0286AFR	Inductively Coupled Plasma Torch With Sample Injector	United States	Granted	4,766,287	1988/08/23	07/022,910	1987/10/30
3638	P0286AJP	Inductively Coupled Plasma Torch With Sample Injector	France	Granted	0281158	1994/01/12	88103413.6	1988/03/04
3638	P0286AGB	Inductively Coupled Plasma Torch With Sample Injector	Japan	Granted	2,758,165	1994/03/13	88103413.6	1988/03/04
3644	P0288AAU	Chromatography Column	Great Britain	Granted	0281158	1994/01/12	88103413.6	1988/03/04
3644	P0288AFR	Chromatography Column	United States	Granted	4,872,979	1989/10/10	07/041,654	1987/10/42
3644	P0288AJP	Chromatography Column	France	Granted	598,926	1988/04/22	15092/88	1988/04/22
3644	P0288AGB	Chromatography Column	Australia	Granted	0287822	1993/03/10	88105748.3	1988/04/22
3694	P0288A	Chromatography Column	France	Granted	0287822	1993/03/10	88105748.3	1988/04/22
3694	P0288AJP	Chromatography Column	Italy	Granted	2,644,269	1993/03/10	88105748.3	1988/04/22
3694	P0288AGB	Chromatography Column	Japan	Granted	0287822	1993/03/10	88105748.3	1988/04/22
3694	P0288A	Chromatography Column	United States	Granted	4,935,163	1991/02/26	07/038,676	1989/08/25
3703	P0285A	Thermal Conductivity Detector	United States	Granted	4,813,267	1991/02/26	07/038,676	1989/08/25
3703	P0285AIT	Thermal Conductivity Detector	Italy	Granted	0281866	1993/02/02	88103409.4	1988/03/04
3620	P0285AJP	Thermal Conductivity Detector	Japan	Granted	2,603,012	1993/02/02	88103409.4	1988/03/04
3703	P0285AGB	Thermal Conductivity Detector	Great Britain	Granted	0281866	1993/02/02	88103409.4	1988/03/04
3729	P0335AEP	Detector For A Spectrometer	Europe	Granted	0316802	1994/04/06	88118828.8	1988/11/11
3729	P0335AAU	Detector For A Spectrometer	Australia	Granted	625,233	1992/10/26	25888/88	1988/11/18
3729	P0335ACA	Detector For A Spectrometer	Canada	Granted	1,321,698	1993/09/07	88118828.8	1988/11/18
3729	P0335AFR	Detector For A Spectrometer	France	Granted	0316802	1994/04/06	88118828.8	1988/11/11
3729	P0335ADE	Detector For A Spectrometer	Germany	Granted	P3888925.0	1994/04/06	88118828.8	1988/11/11
3729	P0335AIT	Detector For A Spectrometer	Italy	Granted	0316802	1994/04/06	88118828.8	1988/11/11
3729	P0335AJP	Detector For A Spectrometer	Japan	Granted	2,760,818	1994/03/20	290338/88	1988/11/18
3729	P0335AGB	Detector For A Spectrometer	Great Britain	Granted	0316802	1994/04/06	88118828.8	1988/11/11

2766	P0097A	Fluid Flow Control Device	United States	Granted	4,354,932	1982/10/19	06/19/202	1980/10/15
4458	P0069A	Heater Control Circuit	United States	Granted	5,672,289	1997/09/30	08/599,410	1986/01/11
4443	P0066A	Apparatus For Controlling Level Of Cryogenic Liquid	United States	Granted	5,671,603	1997/09/30	08/599,436	1995/12/08
4435	P0064A	Dry Gas Curtain For Cryogenic Surface	United States	Granted	5,580,537	1997/01/07	08/624,555	1995/03/07
4431	P0050A	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	United States	Granted	5,876,116	1998/03/02	08/656,368	1995/12/08
4430	P0049A	Gas Chromatographic System With Controlled Sample Transfer	United States	Granted	5,711,786	1998/01/27	08/734,689	1995/10/21
4411	P0047A	Flow Regulation In Gas Chromatograph	United States	Granted	5,545,252	1996/08/13	08/397,707	1995/03/01
3522	P0200A	Gas Control Device For Controlling The Fuel Gas	United States	Granted	4,681,530	1997/07/12	08/663,770	1995/03/16
4073	P0308AJP	Differential Dielectric Analyzer	Japan	Pending			05-064842	1993/03/02
3536	P0298AEP	Detector Cell	Europe	Granted	0336288	1996/07/12	69105283.1	1993/02/23
2956	P0276A	Optical Coupling Device	United States	Granted	4,434,212	1995/01/15	06/628,547	1984/07/06
2782	P0278A	Formulator System With Synchronous Clock For Generation Of TI	United States	Granted	4,345,479	1992/08/24	06/624,783	1981/01/13
2730	P0279A	Multi-port Valve In Gas Collection System And Method Of Use	United States	Granted	4,801,211	1996/07/22	06/680,668	1994/12/12
3536	P0298AJP	Low Cost Detector Cell	Japan	Granted	2,042,337	1999/12/24	78/52/69	1988/03/31
3538	P0298BEP	Detector Cell For Liquid Chromatography	Europe	Published	0626574		94100752.8	1993/03/23
4511	P0089C	Monitoring Constituents Of An Atrial Organ Using Statistical Barcode Labeling Of ATO Tubes	United States	Pending To File			09/479,642	2000/01/07
5015	P0343A	Analyzing Spectrometric Date	Switzerland	Granted	0834725		97117174.9	1997/10/02
4479	P0064ACH	Analyzing Spectrometric Date	Germany		0834725			
4479	P0064ADE	Analyzing Spectrometric Date	Germany		0834725			
4479	P0064AFR	Analyzing Spectrometric Date	France		0834725			
4479	P0064AGB	Analyzing Spectrometric Date	Great Britain		0834725			
4479	P0064AIT	Analyzing Spectrometric Date	Italy		0834725			
4479	P0064ANL	Analyzing Spectrometric Date	Netherlands		0834725			
	P0344A	Multiplexed Growth And Detection Strategy	Japan	Granted	1,838,829	1994/04/25	278111/85	1985/12/12
2730	P0278AJP	Multi-port Valve In Gas Collection System And Method Of Use	Germany	Granted	0560006		93100106.9	1993/01/07
4046	P0028ADE	Standardizing And Calibrating A Spectrometric Instrument	Germany	Granted	P6309504	1997/04/09	93100102.8	1993/01/07
4076	P0039AAU	Photodetector Amplified Linearity	Australia	Granted	654,088		29814/82	
4137	P0039AAU	Absorbance Correction In Atomic Absorption Spectroscopy	Australia	Granted	667,614		57573/84	
4483	P0068AEP	Grouping Of Spectral Bands For Data Acquisition	Europe	Published			97938051.6	1997/07/28
4642	P0345A	Tunable External Cavity Diode Laser	United States	To File				
4641	P0015AJP	Use Of Hg Lines From Hg Lamp For Wavelength Standardization	Japan	Granted	3,016,789	1998/12/24	78752/89	1999/12/24
	P0346A	Low Cost Detector Cell	United States	To File				
5003	P0347A	Use Of Ne Lines For ICP Instrument Standardization	United States	Pending			60/193,974	2000/03/31
5006	P0346A	Methods And Apparatus To Improve The Sensitivity	United States	Pending			60/193,519	2000/03/31
	P0349A	Apparatus And Methods For Bioluminescent Analytical Methods	United States	Pending				
	P0350A	Polymeric Reagent Pad						
	P0351A	Sampling Device For Use In Automated Methods						
3824	P0009A	Sampling Device For Use In Automated Methods	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	697,288	1988/04/20
3824	P0009AJP	Arc Spray Gun For Coating Confined Areas	Japan	Granted	2-164470	1990/06/25	1-104817	1989/04/26
3824	P0009AEP	Arc Spray Gun For Coating Confined Areas	Europe	Granted	0339650		89107686.1	1989/04/27
3824	P0009ACN	Arc Spray Gun For Coating Confined Areas	China	Granted	1039978			
3824	P0009ADE	Arc Spray Gun For Coating Confined Areas	Germany	Granted	68923645		89107686.1	1989/04/27
	P0032AJP							
5000	P0035A	Pedding 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	4,669,877	1987/06/02	06/704,388	1985/02/22
	P0326ACH	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0326ADE	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0326AFR	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0326AGB	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0326AIT	Detection Of Low Level Hydrophobic Analyses In Samples						
4580	P0073AWO	Detection Of Low Level Hydrophobic Analyses In Samples	PCT	Pending			PCT/US00/03756	2000/02/14
	P0071B	Autosampler Having Gripper With Shape Memory Metal Actuator	United States	Pending			09/518,466	2000/03/03
	P0045ADE	Autosampler	Germany	Pending			655 14 870.2.08	1995/06/22
	P0047BAU	Flow Regulation In Gas Chromatograph	Australia	Pending			1757/800	2000/02/18

	P0053AUT	Fluid Conveying Device With Removable Connection	Italy	Pending				
	P0053AFR	Fluid Conveying Device With Removable Connection	France	Pending				
	P0053ADE	Fluid Conveying Device With Removable Connection	Germany	Pending				
	P0053ACH	Fluid Conveying Device With Removable Connection	Switzerland	Pending				
4404	P0065AWO	Self Aligning Optical Fiber Terminator	PCT	Pending				
	P0057A	Non-Contacting Method of Cleaning Surfaces	United States	Granted	4,966,024	1990/06/11	PCT/US90/08697	2000/04/01
	P0057AGA	Non-Contacting Method of Cleaning Surfaces	Canada	Granted	1,315,923	1992/04/13	587,985	1999/01/11
	P0057AEP	Non-Contacting Method of Cleaning Surfaces	Europe	Granted	0324435	1999/07/19	89100346.9	1999/01/10
	P0057AJP	Non-Contacting Method of Cleaning Surfaces	Japan	Granted	1,225,125	1999/09/08	892,982	1999/01/11
	P0057ADE	Non-Contacting Method of Cleaning Surfaces	Germany	Granted	68909422	1993/11/04	809,422	1999/01/10
3549	P0058A	Scanning Array Spectrophotometer	United States	Granted	4,799,464	1999/01/17	06/838,658	1996/03/12
	P0059A	Method and Apparatus For Reactionless Rotation	United States	Granted	5,131,611	1992/07/21	691,936	1993/04/26
4369	P0042ADE	Nebulizer	Germany	Granted	689,320		P695-14870.2	
4368	P0042AGB	Nebulizer	United Kingdom	Granted	689,320		693,320	
4369	P0042ANL	Nebulizer	Netherlands	Granted	689,320		693,320	
	P0033AAU	Method For Processing A Sample						
4070	P0031AIT	Simple Element Thermal Conductivity Detector	Italy	Granted	0529295	1999/09/02	92112375.8	1992/07/20
3480	P00271AJP	High Pressure Column Assembly For A Liquid Chromatograph	Japan	Granted	2,679,879			
	P00380A	Microkathograph Apparatus	United States	Granted	4,952,858	1990/08/28	199,545	1999/05/18
	P00380AEP	Microkathograph Apparatus	Europe	Granted	0342639	1999/11/23	89108854.4	1999/05/17
	P00380AJP	Microkathograph Apparatus	Japan	Granted	2,035,709	1990/02/06	123,023	1999/03/18
	P00380ACA	Microkathograph Apparatus	Canada	Granted	1,304,173	1992/06/23	599,723	1999/05/15
	P00380ADE	Microkathograph Apparatus	Germany	Granted	68925233	1996/02/08	623,233	1999/03/17
5007	P00361A	Design Of A Device For Sampling A Surface To Collect	United States	To File				
5005	P00362A	Polymeric Carrier For Reagents	United States	To File				
5004	P00363A	Low Cost Internal Calibration Standard	United States	To File				
	P00364A	Dual Photoacoustic Detection Of Background For Bioluminescence						
3516	P0199AGB	Atomic Absorption Spectrometer	Great Britain	Granted	2,180,064			
3522	P0200ADE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	P3870372.9		P3870372.9	
5014	P00365A	Conductive Coating To Eliminate Charge Effects And Reduce	United States	To File				
5013	P00365A	Semi-Check Switch And Switching Technique	United States	To File				
5012	P00367A	Dual Photoacoustic Detection Of Background For Bioluminescence						
4137	P0039ADE	Semi-Check Detection Of Inhibitor Components	United States	To File				
3526	P0201AGB	Grouping Of Spectral Bands For Data Acquisition	Germany	Pending			694,24,082.6-08	
3526	P0201ADE	Device For Igniting A Flame In An Atomic Absorption Ectromel	Great Britain	Granted	2,180,328	1997/03/25	862,164.2	1996/09/10
3522	P0200BDE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	P3532537.2	1997/03/19	P3532537.2	1996/09/12
	P00371A	Method For Measuring Absolute Value Of Thermal Conductivity	Germany	Granted	352947.3			1996/08/17
4499	P00372A	Method Of Detecting Organisms In A Sample	United States	Pending	5,902,772	1999/05/11	00685,574	1997/12/05
5019	P00372AYO	Method Of Detecting Organisms In A Sample	United States	Pending				
5020	P00376A	RH Compensation By Nitrogen Gas Sensors Of Electrochemical	United States	To File				
5021	P00377A	Planar Electrochemical Gas Sensor	United States	To File				
5022	P00378A	Electrochemical Gas Sensor With Miniaturized Flow Channels	United States	To File				
	P00379A	Calibration-Free Electrochemical Sensor	United States	To File				
5024	P00380A	Electrochemical Sensor With Dry Nitrogen	United States	To File				
5025	P00381A	Integrated Electrochemical Gas Generator	United States	To File				
5026	P00382A	Prevention Of Flooding In Thick Film Electrochemical Sensors	United States	To File				
	P00383A	RH Compensation For Electrochemical Sensors With Differential	United States	To File				