

09-22-2000

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PATENT
03141-P0140A WWW

IN THE UNITED STATES OF AMERICA 101466303

MARK OFFICE

Assignor:	Perkin-Elmer Corporation
Assignee:	Perkin Elmer LLC
Patent No. 4,682,022	Issue Date: July 21, 1987
Title of Application:	Detector Preamplifier for Use with a MCT Detector

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.

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

(09/22/2000 MTHA11 00000026 4682022)
01 FC:581 40.00 DP

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.

September 5, 2000

Danielle Dominici

5. Patent Number: 4,682,022.
6. Total Number of Patents Involved: 1.
7. Total Fee (37 CFR 3.41): \$40.00 due. A check for this amount is enclosed.
8. Authorization to Charge Deposit Account. The Commissioner is hereby authorized to charge any additional fees due by this paper and during the entire pendency of this Application to Account No. 19-4516.
9. Statement and Signature. Total number of pages including cover sheet, attachments and document are 16. To the best of my knowledge and belief, the foregoing information is true and correct.

Respectfully submitted,



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

CONFIRMATORY ASSIGNMENT

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

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

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

(Assignor)

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

By 

Name: Thomas Livingston

Title: ~~Assistant~~ Secretary

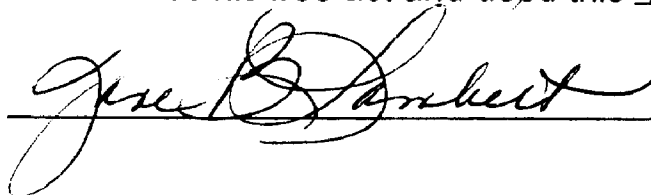
State of Connecticut

County of Fairfield

ss.

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

Notary Public



Patent Number	Inventor	Title	Country	Status	Registration Number	Issue Date	Serial Number	File Date
0685	P0003ASE	Automatic Variable Filters For Use In Scanned Spectrometers	Sweden	Pending			11468-6	1873/04/73
2103	P0004AJP	Fluoro Ionization Detector Status Indicator	Japan	Pending			160B/44	1878/12/29
2132	P0005AJP	Detector Cell Assembly	Japan	Pending			6C005/06	1888/04/23
2557	P0008AJP	High Resolution Slipping Motor Drive	Japan	Pending	2730,577	1987/12/19	279468/87	1987/11/06
3602 (NAVK/UMS6B)	P0016AJP	Ultrasonic Frequency Stepped Voltage-To-Frequency Converter System	Japan	Granted	3060314	2000/04/26	02-2059/46	1990/08/02
3828	P0018AJP	Application Of Kelvin Fringing To ICP Spectra	Germany	Pending			P392776.2	1988/08/23
3908	P0020AJP	Quadrupole Mass Filter For Charged Particles	Germany	Pending			P4100048.3	1991/08/10
3973	P0021AJP	3 Point Bending Measuring System	Japan	Allowed	3,032,900	2000/02/18	2-304227	1990/11/13
3984	P0022AJP	Punger Heating Mechanism For Use In Chromatography	Germany	Granted			P4110763.2	1991/04/03
4014	P0023AJP	Punger Heating Mechanism For Use In Chromatography	Japan	Granted	3,057,380	2000/04/21	5-7326/81	1991/02/07
4015	P0024AJP	Vial Locator And Sensor	Canada	Pending			2,035,916	1991/02/07
4037	P0025AJP	Circuit For Heating And Sensing With A Single Element	Europe	Granted	5-108160	1993/09/30	333027/81	1891/02/27
4037	P0025AJP	Circuit For Heating And Sensing With A Single Element	Japan	Granted	0490853	1991/12/10	91321135.7	1991/12/10
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Canada	Pending	4,310,830		03-345215	1891/12/28
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Europe	Granted	560,006		2,087,360	1992/01/15
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted	6,082,307		97250178.7	1992/05/08
4046	P0028AJP	Photobeamer Amplitude Linearity	Korea	Granted	1937/93		1937/93	1993/02/12
4046	P0028AJP	Photobeamer Amplitude Linearity	Canada	Pending			2,000/03/14	1993/01/21
4046	P0028AJP	Photobeamer Amplitude Linearity	Japan	Granted	6-88745	1894/03/29	05-023171	1994/01/18
4067	P0030AJP	Inductively Coupled Plasma Generator	Korea	Granted	247,171	1998/12/10	728/83	1884/01/21
4070	P0031AJP	Single Element Thermal Conductivity Detector	Japan	Pending	5-223771	1893/08/31	241447/82	1983/04/20
4076	P0033AJP	Absorbance Correction In Atomic Absorption Spectroscopy	Germany	Pending			P4240301.4	1882/12/01
4091	P0035AJP	Method And Apparatus For Heating A Thermionic Detector Source	Germany	Pending			P4237167.8	1992/11/04
4126	P0037AJP	Sampling Conditioning Method & Apparatus	Japan	Granted	5-256822	1993/10/08	04-327513	1992/11/13
4133	P0038AJP	Optical Switching Apparatus With Retrospector	Europe	Pending			9180388/3	
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Germany	Pending			18502431.1	1995/01/26
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Canada	Granted	7,287,178		3859/195	1995/02/27
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Europe	Allowed	0615115		2,115,856	1994/02/17
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Japan	Granted	6,300,628	2000/04/26	94103598.2	1994/03/08
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Canada	Allowed			38742/94	1994/02/09
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Europe	Granted	0636959	2000/04/27	2,126,496	1994/06/22
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Japan	Granted	7,076,032		9410981.5	1994/06/27
4369	P0042AJP	Hybrid Valving System For Varying Fluid Flow Rate	Europe	Granted			1770252/84	1994/01/28
4382	P0044AJP	Neobulzer	Japan	Published	0839320		95108736.9	1995/06/22
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Australia	Pending			180304/95	1995/01/17
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Europe	Granted	713,793	1996/05/24	524851/86	1996/05/24
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Japan	Pending	0744599		96107288.1	1996/05/08
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0763196		132143/96	1996/05/27
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0803061		95821345.5	1995/05/22
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending			85821344.8	1995/05/22
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending			8500987	1996/11/29
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Australia	Granted	710,068	2000/01/20	343187/85	1995/10/17
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Europe	Pending	0708324		95118662.9	1995/10/04
4411	P0047AJP	Spectrometer With Selectable Radiation From Light Source	Japan	Pending			271037/85	1995/10/19
4411	P0047AJP	Flow Regulation In Gas Chromatography	Australia	Allowed			45801/86	1996/02/28
4411	P0047AJP	Flow Regulation In Gas Chromatography	Canada	Pending			2,170,080	1996/02/22
4411	P0047AJP	Flow Regulation In Gas Chromatography	Europe	Pending	0730151		96103188.7	1996/03/01

EXHIBIT A

Pub. No.	App. No.	Inventor	Title	Class	Country	Status	Pub. No.	Pub. Date	Pub. No.	Pub. Date	Pub. No.	Pub. Date
4472	P0063A	Ion Detector	Detector Array And Instrument Using Same		United States	Pending						
2714	P0093AEP	Variable Capacity Glass Lens			United States	Granted	0093A171	1988/04/13	09180, 167	091230, 456	1990/11/03	1990/10/16
2714	P0093AEP	Solvent Delivery System			France	Granted	0093A171	1988/04/13	02111717.3	02111717.3	1992/12/17	1992/12/17
2714	P0093ADE	Solvent Delivery System			Germany	Granted	P3276327.2	1988/04/13	02111717.3	02111717.3	1992/12/17	1992/12/17
2714	P0093AAT	Solvent Delivery System			Netherlands	Granted	0093A171	1988/04/13	02111717.3	02111717.3	1992/12/17	1992/12/17
2714	P0093ALP	Solvent Delivery System			Italy	Granted	0093A171	1988/04/13	02111717.3	02111717.3	1992/12/17	1992/12/17
2714	P0093ASE	Solvent Delivery System			Japan	Granted	1,764,707	1993/05/28	11602083	1993/05/28	1993/05/28	1993/05/28
2714	P0093ACH	Solvent Delivery System			Sweden	Granted	0093A171	1988/04/13	02111717.3	02111717.3	1992/12/17	1992/12/17
2714	P0093ACB	Solvent Delivery System			Switzerland	Granted	0093A171	1988/04/13	02111717.3	02111717.3	1992/12/17	1992/12/17
2714	P0093A	Solvent Delivery System			Great Britain	Granted	0093A171	1988/04/13	02111717.3	02111717.3	1992/12/17	1992/12/17
2766	P0096AFR	Solvent Delivery System			United States	Granted	4,556,387	1989/12/03	06932,759	1994/01/20	1994/01/20	1994/01/20
2766	P0097ACB	Fluid Flow Control Device			France	Granted	0096204	1987/09/16				
2851	P0099ADE	Optical Beam Splitter			Great Britain	Granted	2,085,614	1984/09/30	0126983, 1	1981/09/25	1981/09/25	1981/09/25
2851	P0099ALP	Optical Beam Splitter			Germany	Granted	P3265493.6	1985/08/21	02100648.3	02100648.3	1992/03/02	1992/03/02
2851	P0099ACH	Optical Beam Splitter			Japan	Granted	1,792,015	1993/10/14	34115082	1992/07/29	1992/07/29	1992/07/29
2851	P0099ACB	Optical Beam Splitter			Switzerland	Granted	0059836	1985/08/21	02100648.3	02100648.3	1992/07/29	1992/07/29
2851	P0099A	Optical Beam Splitter			United States	Granted	4,487,477	1984/12/11	06470,427	1983/02/28	1983/02/28	1983/02/28
2873	P0099ADE	Apparatus Useful With A Chromatography Column			Germany	Granted	P3273842.0	1986/10/15	02106508.1	02106508.1	1992/07/17	1992/07/17
2873	P0099ACH	Apparatus Useful With A Chromatography Column			Switzerland	Granted	0076689	1986/10/15	02106509.1	02106509.1	1992/07/18	1992/07/18
2772	P0100ADE	Apparatus And Method Useful For Analyzing Refractory Substances			Great Britain	Granted	0075689	1986/10/15	02106508.1	02106508.1	1992/07/19	1992/07/19
2772	P0100ALP	Apparatus And Method Useful For Analyzing Refractory Substances			Germany	Granted	3205580	1993/05/13	3205580	1992/07/17	1992/07/17	1992/07/17
2772	P0100A	Apparatus Useful For Positioning A Light Filter			Japan	Granted	1,676,561	1992/06/25	22182082	1991/02/16	1991/02/16	1991/02/16
2876	P0102AEP	Control Circuit For Liquid Chromatograph			United States	Granted	4,419,354	1983/12/06	062295,781	1981/06/02	1981/06/02	1981/06/02
2876	P0102AFR	Control Circuit For Liquid Chromatograph			Europe	Granted	0085172	1987/11/11	02111720.7	02111720.7	1992/12/17	1992/12/17
2876	P0102ADE	Control Circuit For Liquid Chromatograph			France	Granted	0085172	1987/11/11	02111720.7	02111720.7	1992/12/17	1992/12/17
2876	P0102AIT	Control Circuit For Liquid Chromatograph			Germany	Granted	P3277648.9	1987/11/11	02111720.7	02111720.7	1992/12/17	1992/12/17
2876	P0102ASE	Control Circuit For Liquid Chromatograph			Italy	Granted	0085172	1987/11/11	02111720.7	02111720.7	1992/12/17	1992/12/17
2876	P0102ACB	Control Circuit For Liquid Chromatograph			Japan	Granted	1,755,762	1993/04/23	10067763	1993/01/27	1993/01/27	1993/01/27
2876	P0102A	Control Circuit For Liquid Chromatograph			Sweden	Granted	0085172	1987/11/11	02111720.7	02111720.7	1992/12/17	1992/12/17
2876	P0102AFR	Control Circuit For Liquid Chromatograph			Switzerland	Granted	0085172	1987/11/11	02111720.7	02111720.7	1992/12/17	1992/12/17
2876	P0102ACH	Control Circuit For Liquid Chromatograph			Great Britain	Granted	0085172	1987/11/11	02111720.7	02111720.7	1992/12/17	1992/12/17
2876	P0102ACB	Control Circuit For Liquid Chromatograph			United States	Granted	4,450,574	1984/05/22	081943,805	1982/01/29	1982/01/29	1982/01/29
2889	P0103AFR	Spectrophotometer			United States	Granted	0087668	1987/01/07	03100499.9	1983/01/29	1983/01/29	1983/01/29
2889	P0103ADE	Spectrophotometer			Germany	Granted	P3368984.9	1987/01/07	03100499.9	1983/01/29	1983/01/29	1983/01/29
2889	P0103ACB	Spectrophotometer			Germany	Granted	0087668	1987/01/07	03100499.9	1983/01/29	1983/01/29	1983/01/29
2889	P0103A	Spectrophotometer			Great Britain	Granted	0087668	1987/01/07	03100499.9	1983/01/29	1983/01/29	1983/01/29
2889	P0104AFR	Liquid Level Sensor			United States	Granted	4,464,051	1984/09/07	069354,254	1982/01/20	1982/01/20	1982/01/20
2889	P0104ADE	Liquid Level Sensor			France	Granted	0129120	1984/09/17	041066228.4	1984/05/30	1984/05/30	1984/05/30
2889	P0104ACH	Liquid Level Sensor			Germany	Granted	P3473509.7	1984/09/17	041066228.4	1984/05/30	1984/05/30	1984/05/30
2889	P0104ACB	Liquid Level Sensor			Switzerland	Granted	0129120	1984/09/17	041066228.4	1984/05/30	1984/05/30	1984/05/30
2890	P0104A	Liquid Level Sensor			Great Britain	Granted	0129120	1984/09/17	041066228.4	1984/05/30	1984/05/30	1984/05/30
2891	P0105A	Control Circuit For Stepper Motor			United States	Granted	4,532,798	1985/04/06	061506,232	1983/06/17	1983/06/17	1983/06/17
3007	P0106ADE	L.C. Sample Cell			United States	Granted	3,672,637.0	1983/11/22	06134,247	1982/01/28	1982/01/28	1982/01/28
3007	P0106ALP	L.C. Sample Cell			Germany	Granted	1,928,835	1989/08/23	3572537	1989/08/23	1989/08/23	1989/08/23
3007	P0106ASE	Sample Cell Temperature Stabilizer			Sweden	Granted	01541792	1989/08/23	05100841.2	1985/10/24	1985/10/24	1985/10/24
3007	P0106ACH	Sample Cell Temperature Stabilizer			Switzerland	Granted	01541792	1989/08/23	05100841.2	1985/10/24	1985/10/24	1985/10/24
3007	P0106AGB	L.C. Sample Cell			Great Britain	Granted	01541792	1989/08/23	05100841.2	1985/10/24	1985/10/24	1985/10/24
3007	P0106A	Sample Cell Temperature Stabilizer			United States	Granted	4,599,765	1986/07/08	066576,545	1984/02/20	1984/02/20	1984/02/20
3048	P0109AAU	Furnace Positioning Mechanism			Australia	Granted	561,564	1987/05/14	16484/03	1983/08/28	1983/08/28	1983/08/28
3048	P0109ADE	Furnace Positioning Mechanism			Germany	Granted	P3378584.5	1986/11/20	03107709.4	1983/08/04	1983/08/04	1983/08/04
3048	P0109AIT	Thin Driven Soda Glass Coated To Protect From Contact			Italy	Granted	0101982	1986/11/20	03107709.4	1983/08/04	1983/08/04	1983/08/04
3048	P0109ACB	The Use Of Thin Driven Soda Glass Appropriately Coated To			Great Britain	Granted	0101982	1986/11/20	03107709.4	1983/08/04	1983/08/04	1983/08/04
3061	P0110AEP	Ship Churn Assembly			Europe	Granted	01313226	1986/03/30	04108028.6	1984/11/29	1984/11/29	1984/11/29

3061	P0110ABE	Sup Clutch Assembly	Belgium	Granted	10/133,226	1984/03/30	B4108028.6	1984/7/9
3061	P0110AFR	Slip Clutch Assembly	France	Granted	01337226	1984/03/30	B4108028.6	1984/7/9
3061	P0110ADE	Cylinder Mechanism	Germany	Granted	3470189.0	1984/03/30	B4108028.6	1984/7/9
3061	P0110ANL	Slip Clutch Assembly	Netherlands	Granted	01337226	1984/03/30	B4108028.6	1984/7/9
3061	P0110ANT	Slip Clutch Assembly	Italy	Granted	01337226	1984/03/30	B4108028.6	1984/7/9
3061	P0110ACH	Slip Clutch Assembly	Switzerland	Granted	01337226	1984/03/30	B4108028.6	1984/7/9
3061	P0110A	Slip Clutch Assembly	United States	Granted	4,560,050	1985/12/24	B6517,000	1985/07/25
3076	P0111AEP	Spectrophotometer	Europe	Granted	0135761	1991/06/05	B4108508.0	1994/08/09
3076	P0111ABE	Spectrophotometer	Belgium	Granted	0135761	1991/06/05	B4108508.0	1994/08/09
3076	P0111AFR	Spectrophotometer	France	Granted	0135761	1991/06/05	B4108508.0	1994/08/09
3076	P0111ADE	Optical Design Of Fourier Transform Spectrophotometer	Germany	Granted	P3484468.9	1991/06/05	B4108508.0	1994/08/09
3076	P0111ANL	Spectrophotometer	Netherlands	Granted	0135761	1991/06/05	B4108508.0	1994/08/09
3076	P0111ANT	Spectrophotometer	Italy	Granted	0135761	1991/06/05	B4108508.0	1994/08/09
3076	P0111AJP	Optical Design Of Fourier Transform Spectrophotometer	Japan	Granted	1,800,723	1993/11/12	B4108508.0	1994/08/09
3076	P0111ACH	Spectrophotometer	Switzerland	Granted	0135761	1991/06/05	B4108508.0	1994/08/09
3076	P0111AGB	Spectrophotometer	Great Britain	Granted	0135761	1991/06/05	B4108508.0	1994/08/09
3076	P0111A	Spectrophotometer	United States	Granted	4,740,082	1984/04/28	B6159,655	1986/04/24
3109	P01112A	Solvent Pressurizing System	United States	Granted	4,448,684	1984/05/15	B6159,789	1986/04/24
3109	P01113A	Liquid Chromatography Controller	United States	Granted	4,618,835	1986/10/21	B6159,785	1984/07/06
3111	P01114A	RTV Pulse Damper	United States	Granted	4,548,713	1985/10/22	B6158,664	1984/03/02
3111	P01114ADE	RTV Pulse Damper	Germany	Granted	3585429.5	1988/10/05	3585429	1984/10/05
3111	P01114JP	RTV Pulse Damper	Japan	Granted				
3111	P01114SE	Pulse Damper	Sweden	Granted	0158132	1988/10/05	B5101262.6	1985/02/06
3111	P01114GH	Pulse Damper	Switzerland	Granted	0158132	1988/10/05	B5101262.6	1985/02/06
3139	P0114AGB	Pulse Damper	Great Britain	Granted	0156132	1988/10/05	B5101262.6	1985/02/06
3139	P0116AAU	Holder Assembly For Reaction Tubes	Australia	Allowed	706,769	1989/06/24	3289185	1991/08/27
3139	P0117AAU	ICP Bad Plasma Detector	Australia	Allowed	705,036	1989/03/13	62194/96	1994/02/11
3135	P0115AEP	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Europe	Granted	0192200	1996/03/06	B5101901.6	1986/02/14
3135	P0115AFR	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	France	Granted	0192200	1996/03/06	B5101901.6	1986/02/14
3135	P0115ADE	A Novel Army Spectrometer	Germany	Granted	3850491.2	1986/03/06	3850491	1986/03/06
3135	P0115ANL	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Netherlands	Granted	0192200	1996/03/06	B5101901.6	1986/02/14
3135	P0115AJP	A Novel Army Spectrometer	Japan	Granted	2,602,809	1987/01/29		
3136	P0115ACH	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Switzerland	Granted	0182200	1986/03/06	B5101901.6	1986/02/14
3135	P0115AGB	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Great Britain	Granted	0192200	1996/03/06	B5101901.6	1986/02/14
3135	P0115A	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	United States	Granted	4,678,917	1987/03/07	B61703,280	1985/02/19
3138	P0116ADE	Holder Assembly For Reaction Tubes	Germany	Granted	3407085	1984/12/22	3407085	1984/02/27
3138	P0116AJP	Holder Assembly For Reaction Tubes	Japan	Granted	1,918,140	1985/04/07	35468/84	1984/02/28
3139	P0117A	Holder Assembly For Reaction Tubes	United States	Granted	5,032,283	1985/10/7/16	B61882,017	1986/07/03
3142	P0119AEP	Apparatus For Monitoring a Plasma Torch	United States	Granted	4,640,827	1987/02/203	B61528,758	1986/04/26
3142	P0119AFR	An Apparatus And Method For Optimizing Separation Of An Unin	Europe	Granted	0175925	1992/09/20	B5110513.0	1985/08/21
3142	P0119ADE	An Apparatus And Method For Optimizing Separation Of An Unin	France	Granted	0175925	1992/09/20	B5110513.0	1985/08/21
3142	P0119ANL	An Apparatus And Method For Optimizing Separation Of An Unin	Germany	Granted	P3586705.1	1982/09/20	B5110513.0	1985/08/21
3142	P0119AJP	An Apparatus And Method For Optimizing Separation Of An Unin	Netherlands	Granted	0175925	1992/09/20	B5110513.0	1985/08/21
3142	P0119ACH	An Apparatus And Method For Optimizing Separation Of An Unin	Japan	Granted	2,075,811	1986/07/25		
3142	P0119AGB	An Apparatus And Method For Optimizing Separation Of An Unin	Switzerland	Granted	0175925	1992/09/20	B5110513.0	1985/08/21
3142	P0119A	An Apparatus And Method For Optimizing Separation Of An Unin	Great Britain	Granted	0175925	1992/09/20	B5110513.0	1985/08/21
3142	P0119A	Apparatus And Method For Optimizing Separation Of a Sample	United States	Granted	4,579,663	1988/04/01	B61853,256	1984/08/24
3162	P0120A	Light Detector Apparatus	United States	Granted	5,073,345	1989/11/21/7	B61753,370	1985/07/09
3173	P0123AEP	Sample Cell Temperature Stabilizer	United States	Granted	4,589,477	1986/05/20	B6176,880	1984/02/03
3173	P0123ABE	Compensator Plate Adjustment For Beam Splitter	Europe	Granted	0137206	1991/10/12/3	B4109507.8	1984/08/09
3173	P0123AFR	Compensator Plate Adjustment For Beam Splitter	Belgium	Granted	0137206	1991/10/12/3	B4109507.8	1984/08/09
3173	P0123ADE	Compensator Plate Adjustment For Beam Splitter	France	Granted	0137206	1991/10/12/3	B4109507.8	1984/08/09
3173	P0123ANL	Compensator Plate Adjustment For Beam Splitter	Germany	Granted	P3483922.5	1991/10/12/3	B4109507.8	1984/08/09
3173	P0123AJP	Compensator Plate Adjustment For Beam Splitter	Netherlands	Granted	0137206	1991/10/12/3	B4109507.8	1984/08/09
3173	P0123ANT	Compensator Plate Adjustment For Beam Splitter	Italy	Granted	0137206	1991/10/12/3	B4109507.8	1984/08/09

3172	P0123AJP	Compensator Plate Adjustment For Beam Splitter	Japan	Granted	2,131,845	1988/08/12	64109507.8	1984/10/09
3173	P0123ACH	Compensator Plate Adjustment For Beam Splitter	Switzerland	Granted	0137206	1987/10/23	64109507.8	1984/10/09
3173	P0123AGB	Compensator Plate Adjustment For Beam Splitter	Great Britain	Granted	0137206	1987/10/23	64109507.8	1984/10/09
3175	P0124AAB	Assembly For Adjusting An Optical Element	United States	Granted	4,735,505	1989/04/05	084527,885	1985/08/30
3175	P0124ADE	Purge Shutter Mechanism	Belgium	Granted	0144,539	1989/08/08		
3175	P0124ANL	Purge Shutter Mechanism	Germany	Granted	3479331.3	1989/08/08		
3175	P0124AJP	Purge Shutter Mechanism	Netherlands	Granted	0144539	1989/08/08		
3175	P0124ACH	Purge Shutter Mechanism	Italy	Granted	0144539	1989/08/08		
3175	P0124AJP	Purge Shutter Mechanism	Japan	Granted	1,772,551	1989/07/14		
3176	P0125AEP	Purge Shutter Mechanism	Switzerland	Granted	0144539	1989/08/09		
3176	P0125AEP	Purge Shutter Mechanism	United States	Granted	4,603,835	1988/08/05	081548,952	1983/11/08
3178	P0125AFR	Digital Control For Rapid Refill Of A Liquid Chromatograph	France	Granted	0194450	1987/10/23	85101623	1988/02/07
3178	P0125AFR	Digital Control For Rapid Refill Of A Liquid Chromatograph	Germany	Granted	0194450	1987/10/23		
3178	P0125ADE	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Germany	Granted	3677029.8	1987/10/23	3677029	1991/10/23
3178	P0125ANL	Digital Control For Rapid Refill Of A Liquid Chromatograph	Netherlands	Granted	0194450	1987/10/23		
3178	P0125AJP	Digital Control For Rapid Refill Of A Liquid Chromatograph	Italy	Granted	0194450	1987/10/23		
3178	P0125ASE	Digital Control For Rapid Refill Of A Liquid Chromatograph	Japan	Granted	1,979,685	1989/10/17		
3178	P0125ACH	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Sweden	Granted	0194450	1987/10/23		
3178	P0125AGB	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Switzerland	Granted	0194450	1987/10/23		
3178	P0125A	Digital Control For Rapid Refill Of A Liquid Chromatograph P	Great Britain	Granted	0194450	1987/10/23		
3178	P0125AEP	Digital Control For Rapid Refill Of A Liquid Chromatograph P	United States	Granted	4,643,649	1987/02/17	067700,785	1988/02/11
3186	P0126AEP	Interferometer Mirror Adjustment	Europe	Granted	0158173	1989/11/02	85103202	1985/03/19
3186	P0126AFR	Interferometer Mirror Adjustment	France	Granted	0158173	1989/11/02		
3186	P0126ADE	Interferometer Mirror Adjustment	Germany	Granted	0158173	1989/11/02		
3186	P0126AJP	Interferometer Mirror Adjustment	Japan	Granted	1,976,664	1989/10/23	35740350	1988/11/02
3186	P0126AGB	Interferometer Mirror Adjustment	Great Britain	Granted	0158173	1989/11/02		
3186	P0126A	Interferometer Mirror Adjustment	United States	Granted	4,621,899	1989/11/11	061598,768	1984/04/08
3213	P0128AEP	Micro Argon Detector	Europe	Granted	0184892	1987/08/19	65305186.9	1985/07/22
3213	P0128AFR	Micro Argon Detector	France	Granted	0184892	1987/08/19	65305186.9	1985/07/22
3213	P0128ADE	Micro Argon Detector	Germany	Granted	0184892	1987/08/19	65305186.9	1985/07/22
3213	P0128ANL	Micro Argon Detector	Netherlands	Granted	0184892	1987/08/19	65305186.9	1985/07/22
3213	P0128AJP	Micro Argon Detector	Japan	Granted	1,838,498	1989/10/23	279392085	1985/12/13
3213	P0128ACH	Micro Argon Detector	Switzerland	Granted	0184892	1987/08/19	65305186.9	1985/07/22
3213	P0128AGB	Micro Argon Detector	Great Britain	Granted	0184892	1987/08/19	65305186.9	1985/07/22
3213	P0128A	Micro Argon Detector	United States	Granted	4,740,895	1988/04/26	06787,663	1985/07/15
3234	P0129A	Apparatus For Controlling A Plasma	United States	Granted	4,608,810	1988/08/02	061624,313	1984/08/25
3234	P0129AEP	Liquid Chromatographic Cartridge Column System	Europe	Granted	0161493	1987/05/20	64104441	1985/04/12
3235	P0129AFR	Liquid Chromatographic Cartridge Column System	France	Granted	0161493	1987/05/20	64104441.2	1985/04/12
3235	P0129ADE	Liquid Chromatographic Cartridge Column System	Germany	Granted	0161493	1987/05/20	64104441.2	1985/04/12
3235	P0129ANL	Liquid Chromatographic Cartridge Column System	Netherlands	Granted	0161493	1987/05/20	64104441.2	1985/04/12
3235	P0129AJP	Liquid Chromatographic Cartridge Column System	Japan	Granted	2,574,045	1989/03/27	15895694	1985/05/07
3235	P0129ACH	Liquid Chromatographic Cartridge Column System	Switzerland	Granted	0161493	1987/05/20	65104441.2	1985/04/12
3235	P0129AGB	Liquid Chromatographic Cartridge Column System	Great Britain	Granted	0161493	1987/05/20	65104441.2	1985/04/12
3235	P0129A	Liquid Chromatographic Cartridge Column System	United States	Granted	4,587,014	1986/05/06	061607,878	1984/05/07
3236	P0243AEP	Polychromator For Multi-Element Analysis	Europe	Granted	0282043	1989/10/20		
3236	P0243AFR	Polychromator For Multi-Element Analysis	France	Granted	0282043	1989/10/20	65101457	1985/02/11
3236	P0243ADE	Polychromator For Multi-Element Analysis	Germany	Granted	4,785,257	1989/01/03	07/024,237	1987/03/10
3236	P0243ANL	Polychromator For Multi-Element Analysis	United States	Granted	0155496	1989/10/10		
3236	P0243AJP	Polychromator For Multi-Element Analysis	Japan	Granted	0155496	1989/10/10	3580891	1991/01/20
3236	P0243ACH	Polychromator For Multi-Element Analysis	Italy	Granted	0155496	1989/10/10		
3236	P0243AGB	Polychromator For Multi-Element Analysis	United States	Granted	2,111,789	1989/03/22	61690993	1985/02/28
3236	P0243A	Polychromator For Multi-Element Analysis	Great Britain	Granted	5,108,187	1989/04/28	07722,393	1989/08/19
3258	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	Japan	Granted	0155496	1989/10/10		
3258	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	United States	Granted	0155496	1989/10/10		
3258	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	Great Britain	Granted	0155496	1989/10/10		
3258	P0131AJP	Dual Servo Impedance Matching System For Icp Spectroscopy	United States	Granted	4,629,940	1988/12/16	061585,807	1984/03/02
3258	P0131A	Dual Servo Impedance Matching System For Icp Spectroscopy	Europe	Granted	0658751	1988/08/05		
4314	P0245AEP	Correction Of Spectra For Stray Radiation	France	Granted	0658751	1988/08/05		

4314	P0245ADE	Correction Of Spectra For Steep Radiation	Germany	Granted	69412221 1	1989/09/05			
3299	P0132AFR	Multiple Streams Sampling System	Europe	Granted	0154188	1991/09/25			
4314	P0245AJP	Correction Of Spectra For Steep Radiation	Japan	Pending					
3258	P0132ADE	Multiple Streams Sampling System	Germany	Granted	3594175.3	1991/09/25			
3258	P0132ASE	Multiple Streams Sampling System	Sweden	Granted	0154188	1991/09/25			
4314	P0245AGB	Correction Of Spectra For Steep Radiation	Great Britain	Granted	0659751	1991/09/25			
3258	P0132ACH	Multiple Streams Sampling System	Switzerland	Granted	0194188	1991/09/25			
4314	P0245A	Correction Of Spectra For Steep Radiation	United States	Granted	5,428,658	1995/06/27			
3258	P0132A	Apparatus For Periodically Monitoring Composition of Samples	United States	Granted	4,676,639	1997/07/07			
3282	P0134A	Synchronous Wavelength Drive And Data Acquisition Conversion	United States	Granted	4,660,977	1997/04/28			
3292	P0135A	Safety Apparatus for an Atomic Absorption Spectro Burner	United States	Granted	4,668,267	1996/02/04			
3296	P0137A	Self-Spinning Lampholder	United States	Granted	4,597,034	1996/06/24			
3307	P0136AEP	Programmed Temperature Control Of A Thermal System	Europe	Granted	0194283	1991/12/04			
3307	P0136AFR	Programmed Temperature Control Of A Thermal System	France	Granted	0194283	1991/12/04			
3307	P0136ADE	Programmed Temperature Control Of A Thermal System	Germany	Granted	P3584824.3	1991/12/04			
3307	P0136ANL	Programmed Temperature Control Of A Thermal System	Netherlands	Granted	0194283	1991/12/04			
3307	P0136AJP	Programmed Temperature Control Of A Thermal System	Japan	Granted	2,033,593	1996/03/19			
3307	P0136AGH	Programmed Temperature Control Of A Thermal System	Switzerland	Granted	0194283	1991/12/04			
3307	P0136AGB	Programmed Temperature Control Of A Thermal System	Great Britain	Granted	0194283	1991/12/04			
3307	P0138A	Programmed Temperature Control Of A Thermal System	United States	Granted	4,752,216	1996/06/27			
3309	P0139A	Ionization Detectors For Gas Chromatography	United States	Granted	4,837,441	1996/06/27			
3309	P0139AGB	Ionization Detectors For Gas Chromatography	Great Britain	Granted	2,183,897	1996/07/11			
3312	P0140ADE	Linearized Ultra-Low Noise Mod Preamp	Germany	Granted	3605488	1995/05/24			
3312	P0140AJP	Linearized Ultra-Low Noise Mod Preamp	Japan	Granted	2,068,543	1996/07/10			
3312	P0140AGB	Detector Pre-amplifier	Great Britain	Granted	2,171,512	1996/07/21			
3312	P0141A	Fluid Flow Control System	United States	Granted	4,632,022	1997/07/21			
2445	P0256ADE	Optical Beam Switching Apparatus	United States	Granted	4,617,953	1996/10/21			
2445	P0256AJP	Optical Beam Switching Apparatus	Germany	Granted	P2928145	1997/09/10			
2445	P0256AGB	Optical Beam Switching Apparatus	Italy	Granted	1115127	1995/02/03			
3321	P0143A	System for Changing Oxidants in a Spectrophotometer	Great Britain	Granted	1599349	1997/05/20			
2515	P0257AJP	Phase Synchronization	Japan	Granted	4,571,172	1996/02/16			
2515	P0257AGB	Spectroscopic Phase Synchronization Apparatus	Great Britain	Granted	1,711,151	1992/11/1			
2646	P0258AJP	Method And Apparatus For Determining The Nature Of An Unknown	United States	Granted	2,092,288	1994/08/22			
2646	P0258AGB	Apparatus and Method for Determining The Nature Of An Unknown	Japan	Granted	4,386,852	1992/06/12			
2780	P0101AAU	Apparatus Useful For Positioning A Light Fiber	Great Britain	Granted	1,670,092	1992/08/12			
3331	P0144AFR	Solvent Pressurizing & Degassing System	Australia	Granted	584,477	1985/12/12			
3331	P0260AEP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Europe	Granted	0179349	1991/05/24			
3331	P0144ADE	Solvent Pressurizing & Degassing System	Germany	Pending	3570527.2	1991/05/24			
3331	P0144ANL	Solvent Pressurizing & Degassing System	Netherlands	Granted	0179349	1991/05/24			
3331	P0144AGH	Solvent Pressurizing & Degassing System	Switzerland	Granted	0179349	1991/05/24			
3331	P0144AGB	Solvent Pressurizing & Degassing System	Great Britain	Granted	0179349	1991/05/24			
3331	P0144A	Solvent Pressurizing System	United States	Granted	4,541,452	1995/09/17			
3037E	P0280AJP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Japan	Granted	3,053,832	2000/04/07			
3365	P0145AEP	Ionization Detectors For Gas Chromatography	Europe	Granted	0249714	1992/06/17			
3365	P0145AFR	Ionization Detectors For Gas Chromatography	France	Granted	0249714	1992/06/17			
3365	P0145ADE	Ionization Detectors For Gas Chromatography	Germany	Granted	P3779818.9	1992/06/17			
3365	P0145ANL	Ionization Detectors For Gas Chromatography	Netherlands	Granted	0249714	1992/06/17			
3365	P0145AGB	Ionization Detectors For Gas Chromatography	Switzerland	Granted	2,007,782	2000/10/14			
3365	P0145A	Ionization Detectors For Gas Chromatography	Canada	Granted	0249714	1992/06/17			
3365	P0145AAU	Ionization Detectors For Gas Chromatography	Italy	Granted	0249714	1992/06/17			
3365	P0145AJP	Ionization Detectors For Gas Chromatography	Japan	Granted	2,574,289	1996/10/24			
3365	P0145AGB	Ionization Detectors For Gas Chromatography	Sweden	Granted	0249714	1992/06/17			
3365	P0145A	Ionization Detectors For Gas Chromatography	Great Britain	Granted	0249714	1992/06/17			
3365	P0145AAU	Ionization Detectors For Gas Chromatography	United States	Granted	4,813,862	1999/10/17			
3369	P042AAU	Nebulizer	Australia	Granted	707,363	1999/07/08			

3369	P0146AEP	Automatic Optimization Procedure	Europe	Granted	01/19/2001	10/20/2002	5344/1/06	1996/02/20
3368	P0146AAU	Automatic Optimization Procedure	Australia	Granted	596,853	1988/07/27	5344/1/06	1996/02/20
3367	P0146ACA	Automatic Optimization Procedure	Canada	Granted	1,271,342	1990/07/10	500,841	1988/01/13
3366	P0146ADE	Automatic Optimization Procedure	Germany	Granted	3686175.8	1992/01/28		
3365	P0146ANL	Automatic Optimization Procedure	Netherlands	Granted	0182201	1992/01/28		
3364	P0146AAT	Automatic Optimization Procedure	Italy	Granted	0182201	1992/01/28		
3363	P0146AJP	Automatic Optimization Procedure	Japan	Granted	1,911,192	1993/03/09	35408185	1998/02/21
3362	P0146ACH	Automatic Optimization Procedure	Switzerland	Granted	0192201	1992/01/28		
3361	P0146A	Optimization Algorithms and Procedure	United States	Granted	4,698,754	1997/08/25	06704,358	1998/02/21
3360	P0199AAU	Atomic Absorption Spectrometer	Australia	Granted	502,261	1988/03/15	60958185	1988/08/07
3359	P0199AJP	Atomic Absorption Spectrometer	Japan	Granted	2,118,074	1986/12/06		
3358	P0199A	Atomic Absorption Spectrometer	United States	Granted	4,991,960	1991/02/12	067893,766	1996/08/06
3357	P0220AJP	Gas Control Device For Controlling The Fuel Gas Around The Control Adjustment Device	Japan	Granted	2,016,021	1986/07/19	19178706	1998/08/18
3356	P0147A	Burner Assembly For Atomic Absorption Spectrometer	United States	Granted	4,699,324	1987/08/02	067853,263	1996/04/17
3355	P0203A	Burner Assembly For Atomic Absorption Spectrometer	United States	Granted	4,776,694	1987/10/11	067832,957	1996/11/19
3354	P0147AJP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Japan	Granted				
3353	P0175A	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	5,654,621	1991/10/01	071616,123	1990/11/19
3352	P0262A	Electrothermal Atomization Furnace For Spectroscopy	United States	Granted	4,917,493	1990/07/17	072705,068	1998/06/13
3351	P0018A	Synchronization Of Digital Signals With Alternating Current	United States	Granted	4,861,207	1990/10/02	07389,150	1990/08/02
3350	P0023A	Puncher Homing Mechanism For Use In Chromatography	United States	Granted	5,360,596	1996/11/01	07504,626	1990/04/05
4070	P0031A	Single Element Thermal Conductivity Detector	United States	Granted	5,038,459	1992/11/20	07748,598	1991/08/22
4037	P0028A	Circuit For Heating And Sensing With A Single Element	United States	Granted	5,038,196	1992/03/24	07748,598	1991/08/22
2695	P0261AAU	Optical Coupling Device	Australia	Granted	542,372	1985/02/21	76972181	1981/10/20
2694	P0261ADE	Optical Coupling Device	Germany	Granted	3,175,932.7	1987/02/25	3175932	1987/02/25
2693	P0261ACH	Optical Coupling Device	Switzerland	Granted	0051192	1987/02/25		
2692	P0027A	Standardizing And Calibrating A Spectrometric Instrument	United States	Granted	5,303,165	1994/04/12	071634,448	1992/02/12
4317	P0041A	Hybrid Valving System For Varying Fluid Flow Rate	United States	Granted	5,329,865	1994/07/19	081100,696	1993/07/20
4382	P0044A	Optical Spectrometer For Detecting Spectra In Separate Range	United States	Granted	5,565,903	1996/10/15	08451,351	1995/05/26
4369	P0043A	Neulower	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	5,452,089	1995/08/18	08137,654	1993/10/15
3984	P0021A	3 Point Bending Measuring System	United States	Granted	4,976,152	1990/12/11	07433,114	1988/11/13
4015	P0024C	Vial Locator And Sensor	United States	Granted	5,171,530	1992/12/15	077803,669	1991/12/03
3382	P0064AEP	Integral Separation Capillary/Conductivity Detector	Europe	Granted	0241940	1993/01/27	87105712.1	1997/04/06
3382	P0064FR	Integral Separation Capillary/Conductivity Detector	France	Granted	0241940	1993/01/27	87105712.1	1997/04/06
3382	P0064ADE	Integral Separation Capillary/Conductivity Detector	Germany	Granted	93783786.2	1993/01/27	87105712.1	1997/04/06
3382	P0064ANL	Integral Separation Capillary/Conductivity Detector	Netherlands	Granted	0241940	1993/01/27	87105712.1	1997/04/06
3382	P0064AJP	Integral Separation Capillary/Conductivity Detector	Japan	Granted	0241940	1993/01/27	87105712.1	1997/04/06
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	1997/04/06
3382	P0064AJP	Integral Separation Capillary/Conductivity Detector	Japan	Granted	0241940	1993/01/27	87105712.1	1997/04/06
3382	P0064A	Method of Fabricating Capillary Electrode Separation Channels	Great Britain	Granted	4,616,123	1993/01/28	070651,808	1997/04/16
3401	P0267A	Grasping Finger For Spectral Analysis Gaseous Discharge Lamps	United States	Granted	4,682,805	1997/07/28	067830,183	1996/02/18
3433	P0267A	Power Circuit For Spectral Analysis Gaseous Discharge Lamps	United States	Granted	4,716,342	1997/12/29	067804,948	1996/12/05
3435	P0267A	Flame Atomic Absorption Spectrophotometer	United States	Granted	4,728,679	1998/02/23	067835,145	1996/03/03
3436	P0269A	Fricitionless Translational Bearing	United States	Granted	4,684,611	1997/08/04	067835,995	1996/03/03
3471	P0270A	System for Calibrating a Monochromator	United States	Granted	4,779,216	1998/10/16	067837,436	1996/03/07
3480	P0271A	High Pressure Column Assembly For A Liquid Chromatograph	United States	Granted	4,876,005	1998/10/24	077281,374	1998/12/08
3480	P0271AEP	High Pressure Column Assembly For A Liquid Chromatograph	Europe	Granted	0328146	1995/09/20	89102368.1	1998/02/10
3480	P0271ADE	High Pressure Column Assembly For A Liquid Chromatograph	Germany	Granted	668924284.0	1995/09/20	89102368.1	1998/02/10
3480	P0271ACB	High Pressure Column Assembly For A Liquid Chromatograph	Great Britain	Granted	0328146	1995/09/20	89102368.1	1998/02/10
3514	P0272A	Programmable Lamp Plug	United States	Granted	4,670,813	1997/08/02	067802,924	1996/11/29
	P0273A	Phase Angle Measurement	United States					
	P0273AEP	Phase Angle Measurement	Europe					
	P0273AFR	Phase Angle Measurement	France					
	P0273ADE	Phase Angle Measurement	Germany					
	P0273AIT	Phase Angle Measurement	Italy					

2514	P0273AJP	Phase Angle Measurement	Japan	Granted	0101982	1988/11/30	83107709	1983/03/04
2515	P0273AGB	Phase Angle Measurement	Switzerland	Granted	4,742,276	1988/05/03	06/88,536	1982/07/25
3048	P0287ADE	Phase Synchronization	Germany	Granted	4,994,676	1981/02/19	07/84,798	1980/06/25
3048	P0109AEP	Chromatography Column	Europe	Granted	0101982	1988/11/30	83107709	1983/03/04
3518	P0086A	Regulated Discharge Arc Supply System	United States	Granted	4,742,276	1988/05/03	06/88,536	1982/07/25
3836	P0286AKR	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	4,994,676	1981/02/19	07/84,798	1980/06/25
2956	P0278AUE	Variable Gain Amplifier	Korea	Granted	141,585			
2725	P0085AJP	Apparatus For Reducing Current Leakage From A Resistor	Germany	Granted	3,307,697	1983/06/29	3,307,697	1983/03/03
2695	P0281AEP	Optical Coupling Device	Japan	Granted	1,569,343	1981/03/10	51428/82	1982/03/31
2831	P0099AEP	Fluorometer System With Synchronous Clock For Generation Of TI	Europe	Granted	005,1162	1987/02/25	81107860	1987/10/02
2873	P0098AEP	Optical Beam Splitter	Europe	Granted	005,6136	1987/09/09	81110556	1987/12/17
2989	P0103AEP	Apparatus Useful With A Chromatography Column	Europe	Granted	005,9136	1985/08/21	82100648,3	1988/07/19
2990	P0104AEP	Spectrophotometer	Europe	Granted	007,5689	1986/10/15	821066509	1988/07/19
3007	P0108AEP	Liquid Level Sensor	Europe	Granted	008,7868	1987/01/07	83100409,9	1983/01/20
3331	P0144AEP	Pulse Damper	Europe	Granted	0154,792	1984/06/23	84106228,4	1984/05/20
2730	P0278AEP	Solvent Pressurizing & Degasing System	Europe	Granted	0156,132	1984/10/05	85101252,6	1985/02/06
4086	P0033A	Multi-port Valve In Gas Collection System And Method	Europe	Granted	0178,349	1984/05/24	85112742	1985/10/08
4317	P0041AAU	Photometric Instrument With Optical Fibers For Analyzing	Europe	Granted	0185,926	1982/09/20	85114718,1	1985/11/19
4433	P0055A	Hybrid valving system for varying fluid flow rate	United States	Granted	5,428,696	1984/06/27	08/092,162	1983/07/15
4434	P0052A	Thermal Insulating Container For Liquid Gas	Australia	Granted	692,773			
4471	P0053A	Thermal Insulating Container For Liquefied Gas	United States	Granted	5,655,681	1987/06/12	08/724,432	1986/10/01
4012	P0287ADE	Mounting Apparatus For Induction Coupled Plasma Torch	United States	Granted	5,716,082	1984/02/10	08/525,975	1985/09/07
3703	P0285AEP	Inductively Coupled Plasma Torch With Sample Injector	United States	Granted	5,825,266	1984/07/20	08/507,775	1987/10/15
3638	P0287AEP	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,135,021	1991/10/23		
3637	P0286AEP	Chromatography Column	Germany	Granted	0281,158	1984/07/26	88102940,9	1988/02/26
3694	P0286ADE	Analysis Of Organic Material	Europe	Granted	0281,966	1984/02/02	88103409,4	1988/03/04
0645	P0292ADE	Thermal Conductivity Detector	Europe	Granted	0281,966	1984/02/02	88103409,4	1988/03/04
4558	P0296AEP	Inductively Coupled Plasma Torch With Sample Injector	Europe	Granted	0281,158	1984/07/12	88103413,6	1988/03/04
3309	P0300AEP	Power System For Inductively Coupled Plasma Torch	Europe	Granted	0281,157	1984/06/29	88103403,7	1988/03/04
3772	P0301AEP	Chromatography Column	Europe	Granted	0287,922	1984/05/10	88105148,3	1988/03/04
	P0302AEP	Chromatography Column	Germany	Granted	283,891	1990/10/17	3218687	1988/11/18
	P0303AEP	Chromatography Column	Germany	Granted	1,289,944	1990/10/17	3218687	1988/11/18
	P0304AEP	Chromatography Column	Germany	Granted	395,407,55	1972/03/06	7126,944	1971/07/13
4088	P0307AEP	Method And Apparatus For Comparing Spectra	Europe	Granted	0535,700	1986/04/22	395,407,55,9	1985/10/06
4073	P0308AEP	Apparatus For Differential Analysis Of Sample Discrete Pro	Europe	Granted	0334,303	1984/07/20	89108264,5	1989/04/27
4511	P0086B	Monitoring Components Of An Animal Organ Using Statistical	Europe	Granted	0334,303	1984/07/20	89108264,5	1989/04/27
4592	P0074B	Monitoring Components Of An Animal Organ Using Statistical	United States	Granted	0344,783	1984/03/02	89109948,3	1988/06/01
4083	P0079AJP	Method Of Manufacturing Glass Beads	Europe	Granted	0344,782	1983/10/27	89109947,5	1988/06/01
4083	P0087B	Standardization Of Spectral Lines	Europe	Granted	0344,782	1983/10/27	89109947,5	1988/06/01
3915	P0317AJP	Standardization Of Spectral Lines	Europe	Granted				1988/06/01
3913	P0318AJP	Standardization Of Spectral Lines	Europe	Granted				1988/06/01
4113	P0319AJP	Standardization Of Spectral Lines	Europe	Granted				1988/06/01
2730	P0278AUE	Method And Apparatus For Comparing Spectra	Japan	Granted	0535,700	1987/03/26	92118913,2	1992/10/02
3684	P0286ADE	Apparatus For Differential Analysis Of Sample Discrete Pro	Japan	Granted	0558,972	1991/09/08	93102158,7	1993/02/11
3772	P0301ADE	Monitoring Components Of An Animal Organ Using Statistical	United States	Granted	097,345,248	09/25,248	1899/08/28	1899/08/28
2746	P0302ADE	Monitoring Components Of An Animal Organ Using Statistical	United States	Granted	5,256,821	09/28,242	1899/08/28	1899/08/28
3514	P0272ADE	Method Of Manufacturing Glass Beads	United States	Granted	5,333,357	1993/08/03	08/851,789	1997/05/06
	P0317AJP	Standardization Of Spectral Lines	Japan	Pending			01-508,578	1989/07/27
	P0318AJP	Standardization Of Spectral Lines	Japan	Pending			01-508,578	1989/07/27
	P0319AJP	Standardization Of Spectral Lines	Japan	Pending			01-508,578	1989/07/27
	P0278AUE	Method And Apparatus For Comparing Spectra	Germany	Pending			05-2630,36	1993/09/28
	P0286ADE	Apparatus For Differential Analysis Of Sample Discrete Pro	Germany	Granted	P-3,586,715,9	1982/09/20	85114718,1	1985/11/19
	P0301ADE	Monitoring Components Of An Animal Organ Using Statistical	Germany	Granted	P-347,8970,1	1993/03/10	88105148,3	1988/04/11
	P0302ADE	Standardization Of Spectral Lines	Germany	Granted	P-649,10188,0	1983/10/27	89109947,5	1989/06/01
			Germany	Granted	317,827,7			1988/09/03
			Germany	Granted	368,274,9			1991/12/04

3828	P0296ADE	Inductively Coupled Plasma Torch With Sample Injector	Germany	Granted	P3088967.4	1994/01/12	60102413.6	1998/02/04
3829	P0300ADE	Thermal Conductivity Detector	Germany	Granted	62827541.1	1994/02/02	56102443.4	1998/03/04
3830	P0300ADE	Monochromator Drift Compensation	Germany	Granted	P6810259.6	1994/03/02	1998/06/01	1998/06/01
3831	P0297ADE	Power System For Inductively Coupled Plasma Torch	Germany	Granted	P3850422.7	1994/06/28	181030403.7	1998/03/04
3832	P0297ADE	Low Frequency Signal Processing Circuitry	Germany	Granted	P68916824.1	1994/07/20	65106004.3	1998/03/21
3833	P0297ADE	Detector Cell For Spectrophotometer Used In Liquid Chromatography	Germany	Granted	P68825308	1995/07/12	651050263.1	1998/03/23
3834	P0297ADE	Method And Apparatus For Compensating Spectra	Germany	Granted	P68216536.4	1997/03/28	92118013.2	1998/02/10
3835	P0300ADE	Apparatus For Differential Analysis Of Sample Dielectric Pro	Germany	Granted	66320217	1998/08/17	66320217	1998/02/11
3836	P0294ADE	Analysis Of Organic Material	Germany	Granted	P3854208.9	1995/07/26	86102840.9	1998/02/26
3837	P0327A	Zero-Dilution Split Injector Liner For Gas Chromatography	United States	Pending			601164.208	1998/08/16
3838	P0328A	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			081443.875	1998/11/19
3839	P0328A	Hybrid Film Type Sensor	United States	Pending			081444.334	1998/11/19
3840	D0065A	Enclosure For Analytical Instrumentation	United States	Granted	D412.991	1999/08/17	281064.998	1997/01/16
3841	P0330A	Detection Of Low Level Analytes In Samples Using Agglutinat	United States	Granted	5.942.442	1999/08/24	081831.205	1997/04/02
3842	P0300AAU	Monochromator Drift Compensation	Australia	Granted	612.847	1991/07/18	35814488	1988/06/01
3843	P0300A	Monochromator Drift Compensation	United States	Granted	4.316.645	1998/04/10	07201.250	1988/06/02
3844	P0300A	Monochromator Drift Compensation	Canada	Granted	1.321.488	1993/08/24	801.458	1988/08/01
3845	P0018ADE	Circuit For Synchronizing Digital Signals With Alternating C	Germany	Granted	4.024.459	1991/02/07	P4024458.8	1990/08/01
3846	P0024ADE	Vial Locator And Sensor	Germany	Granted	2.235.837	1993/08/16	90165503.6	1990/07/27
3847	P0024ADE	Vial Locator And Sensor	Germany	Granted	P69108706.9	1995/09/17	91102281.2	1991/02/18
3848	P0024AAU	Vial Locator And Sensor	Europe	Granted	0444498	1995/06/17	91102281.2	1991/02/18
3849	P0031AEP	Single Element Thermal Conductivity Detector	Australia	Granted	640.443	1993/08/26	71893191	1991/02/27
3850	P0031ADE	Single Element Thermal Conductivity Detector	Germany	Granted	0528285	1991/08/02	92112375.8	1992/07/20
3851	P0300A	Apparatus For Differential Analysis Of Sample Dielectric Pro	United States	Granted	69226833.2	1998/08/02	92112375.8	1992/07/20
3852	P0298AGB	Detector Cell For Liquid Chromatography	Great Britain	Granted	5.309.110	1994/06/03	071846.994	1992/03/04
3853	P0021AGB	3 Point Bonding Measuring System	Great Britain	Granted	0185826	1992/06/30	85114718.1	1992/03/04
3854	P0021AGB	Vial Locator And Sensor	Great Britain	Granted	0335288	1995/07/12	1995/07/12	1995/07/12
3855	P0027AGB	Standardizing And Calibrating A Spectrometric Instrument	Great Britain	Granted	0128010	1994/06/01	90120859.5	1995/10/31
3856	P0027AGB	Standardizing And Calibrating A Spectrometric Instrument	Great Britain	Granted	0444488	1995/05/17	91102281.2	1991/02/18
3857	P0029AGB	Photodetector Amplifier Linearity	Great Britain	Granted	0552604	1997/12/10	93100106.9	1993/01/07
3858	P0029AGB	Method Of Manufacturing Glass Beads	Great Britain	Granted	2.261.659	1995/06/28	9223589.3	1992/11/11
3859	P0030AAG	Apparatus For Differential Analysis Of Sample Dielectric Pro	Great Britain	Granted	0558972	1998/08/12	93102168.7	1993/02/11
3860	P0031AAG	Absorbance Correction In Atomic Absorption Spectrometry	Great Britain	Granted	2.262.180	1995/08/02	9223548.0	1992/11/11
3861	P0031AAG	Method For Heating A Thermionic Detector Source	Great Britain	Granted	2.261.534	1995/12/05	9223589.5	1992/11/11
3862	P0276AGB	Variable Gain Amplifier	Great Britain	Granted	2.116.763	1996/01/29	8301866.5	1993/02/10
3863	P0031ADE	Photometric Instrument With Optical Fibers For Analyzing	Great Britain	Granted	0528241	1996/04/17	92114331.9	1992/08/21
3864	P0333A	Method For Processing A Sample	Germany	Pending			P442496.15	1994/02/14
3865	P0333ANL	Method For Processing A Sample	United States	Allowed			09101.819	1998/10/20
3866	P0333AWO	Method For Processing A Sample	The Netherlands	Pending			1002110	1996/01/17
3867	P0328ACA	Detection Of Low Level Hydrophobic Analytes In Samples	Canada	Published			IPC:TNL187/00005	1987/01/07
3868	P0328AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Europe	Pending	2.285.282			1998/04/02
3869	P0328AEP	Detection Of Low Level Hydrophobic Analytes In Samples	Europe	Published	08914440.7			1998/04/02
3870	P0328AAU	Detection Of Low Level Hydrophobic Analytes In Samples	Japan	Pending				
3871	P0328AAU	Detection Of Low Level Hydrophobic Analytes In Samples	Australia	Published	10.542004			1998/10/04
3872	P0330ACA	Detection Of Low Level Analytes In Samples Using Agglutinat	Canada	Pending	6878649.8			1998/04/02
3873	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutinat	Europe	Published	2.285.219			1998/04/02
3874	P0330AEP	Detection Of Low Level Analytes In Samples Using Agglutinat	Europe	Published	98814435.7			1998/10/04
3875	P0330AAU	Detection Of Low Level Analytes In Samples Using Agglutinat	Australia	Pending	6878649.8			1998/04/02
3876	P0333AEP	Method For Processing A Sample	Japan	Pending	10.541999			1998/10/04
3877	P0328A	Detection Of Low Level Hydrophobic Analytes In Samples	Europe	Pending	97900480.1			1998/10/04
3878	P0335A	Detector For A Spectrometer	United States	Granted	5.991.740	1999/04/06	081832.168	1997/04/02
3879	P0034BGB	Photometric Instrument With Optical Fibers For Analyzing	United States	Granted	4.820.048	1995/04/11	071233.025	1987/11/19
3880	P0296A	Computer Operated Spectrometric Instrument	United States	Granted	2.312.044	1998/01/21	19714780.5	1997/07/14
3881	P0337A	Method and Apparatus for Laser Spectral Compensation	United States	Allowed			091300.809	1998/04/27
3882	P0336A	Method And Apparatus For Impurity Detection	United States	Pending			091503.092	2000/02/11
3883			United States	Pending			091551.800	2000/04/27

4088	P0307AJP	Method And Apparatus For Comparing Spectra	Japan	Granted	5-209826	1993/08/20	4-287034	1992/10/02
4089	P030305	Continents Or Lines Used Analysis In Samples Using Reagents	United States	Pending			04/288,513	1994/07/12
4090	P0339A	Spectroscopic Determination Of The Dissociation Constants	United States	To File				
4091	P0340A	Non-Intramassary Dabination Or Protein-Ligand Interaction	United States	To File				
4092	P0262AAU	Electrothermal Atomization Furnace For Spectroscopy	United States	Granted	598,940	1990/07/05	1817508	1988/08/20
4093	P0341A	Optical Switching Device	Australia	Granted	5,058,886	1991/10/15	07/802,592	1990/10/25
4094	P0328A	Method Of Manufacturing Glass Beads	United States	Granted	5,198,009	1993/03/30	07/796,497	1990/11/22
4095	P0034B	Photometric Instrument With Optical Fibers For Analyzing	United States	Granted	3,526,451	1988/06/11	08/374,650	1984/10/16
4096	P0297A	Phase Angle Measurement	United States	Granted	4,985,583	1991/01/15	07/113,201	1988/03/24
4097	P0297A	Phase Angle Measurement	France	Granted	0394303	1994/07/20	89/105064.3	1989/03/21
4098	P0297AJP	Phase Angle Measurement	Japan	Granted	1,316,831	1989/12/21	73716/88	1989/03/21
4099	P0297AJP	Phase Angle Measurement	Switzerland	Granted	0394309	1994/07/20	89/105064.3	1989/03/21
4100	P0297AJP	Phase Angle Measurement	Great Britain	Granted	0394309	1994/07/20	89/105064.3	1989/03/21
4101	P0297AJP	Phase Angle Measurement	United States	Granted	4,088,573	1989/09/19	07/119,594	1987/11/12
4102	P0016B	Line Frequency Stepped Voltage-To-Frequency Converter System	United States	Granted	0286682	1993/07/14	87/15917.4	1987/10/29
4103	P0016AEP	Line Frequency Stepped Voltage-To-Frequency Converter System	Europe	Granted	0286682	1993/07/14	87/15917.4	1987/10/29
4104	P0016AEP	Line Frequency Stepped Voltage-To-Frequency Converter System	France	Granted	0286682	1993/07/14	87/15917.4	1987/10/29
4105	P0016AEP	Line Frequency Stepped Voltage-To-Frequency Converter System	Germany	Granted	P2/798522.6	1993/07/14	87/15917.4	1987/10/29
4106	P0016AEP	Line Frequency Stepped Voltage-To-Frequency Converter System	Netherlands	Granted	0286682	1993/07/14	87/15917.4	1987/10/29
4107	P0016AEP	Line Frequency Stepped Voltage-To-Frequency Converter System	Switzerland	Granted	0286682	1993/07/14	87/15917.4	1987/10/29
4108	P0016AEP	Line Frequency Stepped Voltage-To-Frequency Converter System	Great Britain	Granted	0286682	1993/07/14	87/15917.4	1987/10/29
4109	P0016AEP	Line Frequency Stepped Voltage-To-Frequency Converter System	United States	Granted	4,795,814	1989/01/03	07/019,905	1987/02/27
4110	P0284A	Analysis Of Organic Material	United States	Granted	5,044,860	1991/09/03	07/118,713	1988/04/07
4111	P0284A	Analysis Of Organic Material	United States	Granted	5,013,828	1991/09/03	07/218,721	1988/02/26
4112	P0284A	Analysis Of Organic Material	United States	Granted	0280335	1995/07/26	88/102940.0	1988/02/26
4113	P0284A	Analysis Of Organic Material	Italy	Granted	2,683,011	1997/08/08	42389/88	1997/01/16
4114	P0284A	Analysis Of Organic Material	Japan	Granted	2,730,624	1997/12/19	56199/7	1997/01/16
4115	P0284AJP	Analysis Of Organic Material	Japan	Pending			5622/97	1997/01/16
4116	P0284AJP	Analysis Of Organic Material	Great Britain	Granted	0280335	1995/07/26	88/102940.0	1988/02/26
4117	P0284AJP	Analysis Of Organic Material	United States	Granted	4,618,916	1997/03/06	07/202,638	1997/03/06
4118	P0284AJP	Analysis Of Organic Material	France	Granted	9281157	1994/06/29	86/103403.7	1988/03/04
4119	P0287AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	2,708,447	1997/10/17	51794/88	1998/03/07
4120	P0287AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0281157	1994/06/29	88/103403.7	1988/03/04
4121	P0287AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,786,287	1998/08/23	07/202,910	1987/03/06
4122	P0287AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0281158	1994/01/12	86/103413.6	1988/03/04
4123	P0287AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	2,758,165	1998/03/13	51795/88	1988/03/07
4124	P0287AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0281158	1994/01/12	86/103413.6	1988/03/04
4125	P0287AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,872,979	1999/11/10	07/041,654	1998/04/22
4126	P0287AJP	Power System For Inductively Coupled Plasma Torch	Australia	Granted	599,926	1998/04/22	15092/88	1988/04/22
4127	P0287AJP	Power System For Inductively Coupled Plasma Torch	France	Granted	0287822	1993/03/10	88/105748.3	1988/04/11
4128	P0287AJP	Power System For Inductively Coupled Plasma Torch	Italy	Granted	0287822	1993/03/10	88/105748.3	1988/04/11
4129	P0287AJP	Power System For Inductively Coupled Plasma Torch	Japan	Granted	2,544,269	1997/05/02	96977/88	1988/04/21
4130	P0287AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	0287822	1993/03/10	88/105748.3	1988/04/11
4131	P0287AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,995,163	1991/02/28	07/289,676	1988/03/05
4132	P0287AJP	Power System For Inductively Coupled Plasma Torch	United States	Granted	4,813,267	1989/05/22	07/022,147	1987/03/05
4133	P0287AJP	Power System For Inductively Coupled Plasma Torch	Italy	Granted	0281986	1994/02/02	88/103408.4	1988/03/04
4134	P0287AJP	Power System For Inductively Coupled Plasma Torch	Great Britain	Granted	2,683,012	1997/08/08	49955/88	1988/03/04
4135	P0287AJP	Power System For Inductively Coupled Plasma Torch	Europe	Granted	0281986	1994/02/02	88/103408.4	1988/03/04
4136	P0287AJP	Power System For Inductively Coupled Plasma Torch	Europe	Granted	0316802	1994/04/06	88/118828.8	1988/11/11
4137	P0287AJP	Power System For Inductively Coupled Plasma Torch	Australia	Granted	625,233	1992/10/26	25888/88	1988/11/18
4138	P0335AAU	Detector For A Spectrometer	Canada	Granted	1,321,899	1993/09/07	581,269	1992/10/26
4139	P0335AFA	Detector For A Spectrometer	France	Granted	0316802	1994/04/06	88/118828.8	1988/11/11
4140	P0335AFA	Detector For A Spectrometer	Germany	Granted	P3888725.0	1994/04/06	88/118828.8	1988/11/11
4141	P0335AIT	Detector For A Spectrometer	Italy	Granted	0316802	1994/04/06	88/118828.8	1988/11/11
4142	P0335AJP	Detector For A Spectrometer	Japan	Granted	2,760,818	1998/03/30	200338/88	1998/11/18
4143	P0335AJP	Detector For A Spectrometer	Great Britain	Granted	0316802	1994/04/06	88/118828.8	1988/11/11

3729	P0335ANI	Detector For A Spectrometer	Netherlands	Granted	0718802	1984/04/05	08118021.8	1988/11/11
3722	P0331A	Standardization Of Spectral Lines	United States	Granted	4,883,258	1990/01/09	077201.510	1988/06/02
3722	P0301AAU	Standardization Of Spectral Lines	Australia	Granted	616,524	1991/10/21	3507319	1988/06/01
3722	P0301ACA	Standardization Of Spectral Lines	Canada	Granted	1,325,528	1993/12/23	801,317	1988/05/31
3722	P0301AFR	Standardization Of Spectral Lines	France	Granted	0344782	1993/10/27	8910947.6	1988/06/01
3722	P0301AIT	Standardization Of Spectral Lines	Italy	Granted	0344782	1993/10/27	8910947.5	1988/06/01
3722	P0301AJP	Standardization Of Spectral Lines	Japan	Granted	02-51031	1993/10/27	139306789	1988/06/02
3722	P0301AQB	Standardization Of Spectral Lines	Great Britain	Granted	0344782	1993/10/27	8910947.5	1988/06/01
3808	P0262ADE	Electrothermal Atomization Furnace For Spectroscopy	Germany	Granted	0285667	1994/03/16	88105682.2	1988/06/16
3808	P0262ANL	Electrothermal Atomization Furnace For Spectroscopy	Netherlands	Granted	P2884401.1	1994/03/16	88105682.2	1988/06/16
3808	P0262AGB	Electrothermal Atomization Furnace For Spectroscopy	Japan	Pending	0285667	1994/03/16	88105682.2	1988/06/16
3809	P030DAFR	Monochromator Dirt Compensation	France	Granted	0344783	1994/03/02	88109948.3	1988/06/01
3809	P030DAJP	Monochromator Dirt Compensation	Great Britain	Granted	0344783	1994/03/02	89109948.3	1988/06/01
3809	P030DAUS	Monochromator Dirt Compensation	Japan	Pending	0344783	1994/03/02	139306789	1988/06/02
4014	P0022AGB	Purging Homing Mechanism For Use In Chromatography	Great Britain	Granted	2,243,411	1993/08/25	91070205.8	1991/04/04
4015	P0022AFR	Valve Local For And Sensor	Netherlands	Granted	0444498	1995/05/17	91102281.2	1991/02/18
4015	P0022ANL	Valve Local For And Sensor	Netherlands	Granted	0444498	1995/05/17	91102281.2	1991/02/18
4015	P0022AJP	Valve Local For And Sensor	Italy	Granted	0444498	1995/05/17	91102281.2	1991/02/18
4015	P0022ACH	Valve Local For And Sensor	Switzerland	Granted	0444498	1995/05/17	91102281.2	1991/02/18
4056	P0331AEF	Double Beam Detector System For Liquid Chromatography	United States	Granted	5,173,742	1992/12/22	07751.415	1991/06/28
4056	P0331ADE	Double Beam Detector System For Liquid Chromatography	Europe	Granted	0529541	1996/04/17	92114331.9	1992/08/21
4056	P0331ANL	Double Beam Detector System For Liquid Chromatography	Germany	Granted	P9209836.0	1996/04/17	92114331.9	1992/08/21
4056	P0331AIT	Double Beam Detector System For Liquid Chromatography	Netherlands	Granted	0529541	1996/04/17	92114331.9	1992/08/21
4056	P0331ACH	Double Beam Detector System For Liquid Chromatography	Italy	Granted	0529541	1996/04/17	92114331.9	1992/08/21
4067	P0030ADE	Inductively Coupled Plasma Generator	Germany	Granted	P98301852.2	1996/02/27	93108922.1	1993/04/28
4067	P0030AEP	Inductively Coupled Plasma Generator	Europe	Granted	0568820	1996/02/27	93108922.1	1993/04/28
4067	P0030AJP	Inductively Coupled Plasma Generator	France	Granted	0568820	1996/02/27	93108922.1	1993/04/28
4067	P0030ACH	Inductively Coupled Plasma Generator	Italy	Granted	0568820	1996/02/27	93108922.1	1993/04/28
4067	P0030AGB	Inductively Coupled Plasma Generator	Great Britain	Granted	P968820	1996/02/27	93108922.1	1993/04/28
4088	P0307AFR	Method And Apparatus For Comparing Spectra	United States	Granted	5,306,982	1994/06/13	92156913.2	1992/10/02
4088	P0307ANL	Method And Apparatus For Comparing Spectra	France	Granted	0535700	1997/02/26	92116913.2	1992/10/02
4088	P0307ACH	Method And Apparatus For Comparing Spectra	Netherlands	Granted	0535700	1997/02/26	92116913.2	1992/10/02
4088	P0307AGB	Method And Apparatus For Comparing Spectra	Switzerland	Granted	0535700	1997/02/26	92116913.2	1992/10/02
3807	P000BAEP	Electrothermal Atomization Of Samples	Great Britain	Granted	4,895,443	1995/01/23	077208.935	1994/06/20
3807	P000BAJP	Electrothermal Atomization Of Samples	United States	Granted	0288480	1992/11/19	88105981.4	1988/06/16
3807	P000BAANL	Electrothermal Atomization Of Samples	Great Britain	Granted	602,098	1992/11/19	18174/88	1988/06/20
3807	P000BAACH	Electrothermal Atomization Of Samples	Australia	Granted	0296480	1992/11/19	88105981.4	1988/06/16
3807	P000BAAGB	Electrothermal Atomization Of Samples	Europe	Granted	P.978018.5	1992/11/19	88105981.4	1988/06/16
3807	P000BADE	Electrothermal Atomization Of Samples	Germany	Granted	0284480	1992/11/19	88105981.4	1988/06/16
3807	P000BAANL	Electrothermal Atomization Of Samples	Netherlands	Granted	0284480	1992/11/19	88105981.4	1988/06/16
3807	P000BAJP	Electrothermal Atomization Of Samples	Japan	Granted	2,633,628	1992/04/25	15059288	1988/06/20
3536	P0289AJP	Detector Cell For Liquid Chromatography	United States	Granted	4,886,356	1989/12/12	071176.524	1988/06/20
3536	P0289AFR	Detector Cell For Liquid Chromatography	France	Granted	0035268	1995/07/12	88105283.1	1988/06/23
3536	P0289AANL	Detector Cell For Liquid Chromatography	Italy	Granted	0335268	1995/07/12	88105283.1	1988/06/23
3536	P0289ACH	Detector Cell For Liquid Chromatography	Netherlands	Granted	0335268	1995/07/12	88105283.1	1988/06/23
3973	P0029A	Quadrupole Mass Filter For Charged Particles	United States	Granted	4,985,626	1991/01/15	07662.245	1990/01/09
4076	P0003A	Absorbance Correction In Atomic Absorption Spectroscopy	United States	Granted	5,229,838	1993/07/20	076823.631	1992/01/21
4317	P0041AGB	Single Element Thermal Conductivity Detector	Great Britain	Granted	5,315,528	1994/05/24	077801.990	1992/07/20
4317	P0041AFR	Hybrid Valving System For Varying Fluid Flow Rate	Germany	Published	0529295	1994/05/24	077801.990	1992/07/20
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	France	Published	0529295	1994/05/24	077801.990	1992/07/20
4317	P0041ACH	Hybrid Valving System For Varying Fluid Flow Rate	Great Britain	Published	0529295	1994/05/24	077801.990	1992/07/20

2766	P0087A	Fluid Flow Control Device	United States	Granted	4,354,932	1982/10/19	06/19/2002	1980/10/15
4443	P0086A	Heater Control Circuit	United States	Granted	3,974,289	1987/08/30	08/58/410	1986/01/11
4435	P0054A	Apparatus For Controlling Level Of Cryogenic Liquid	United States	Granted	5,671,603	1987/09/30	08/58/438	1985/12/08
4431	P0050A	Dry Gas Curtain For Cryogenic Surface	United States	Granted	5,580,537	1987/10/10/7	08/82/4,535	1986/09/07
4430	P0048A	Chemical Having Rapid Cooling Of A Heating Vessel Therein	United States	Granted	5,676,118	1988/03/02	08/85/9,588	1986/12/08
4411	P0047A	Gas Chromatographic System With Controlled Sample Transfer	United States	Granted	5,711,766	1988/01/27	08/73/4,689	1986/10/21
3522	P0020A	Flow Regulation In Gas Chromatograph	United States	Granted	5,545,252	1988/08/13	08/83/7,707	1985/05/01
4073	P0038AJP	Gas Control Device For Controlling The Fuel Gas	United States	Granted	4,681,530	1987/07/21	08/83/3,770	1986/08/16
3536	P0298AEP	Differential Dielectric Analyzer	Japan	Pending			05-08-4842	1993/02/02
2956	P0276A	Demand Cell	Europe	Granted	0336288	1986/07/12	81105263.1	1989/02/23
2782	P0278A	Optical Coupling Device	United States	Granted	4,454,212	1985/01/15	06/82/8,547	1984/07/06
2730	P0279A	Prometer System With Synchronous Check For Generation Of TI	United States	Granted	4,345,479	1987/08/24	06/22/4,783	1981/01/13
3536	P0298AJP	Multiport Valve In Gas Collection System And Method Of Use	United States	Granted	4,601,211	1988/07/22	06/80/0,688	1984/12/12
3538	P0298AEP	Low Cost Detector Cell	Japan	Granted	2,042,337	1988/12/24	78/62/8,9	1986/03/31
4511	P0089C	Detector Cell For Liquid Chromatography	Europe	Published	0626574		84108752.9	1989/03/23
5015	P0343A	Monitoring Constituents Of An Axial Organ Using Shellstack	United States	Pending			06/479,642	2000/07/07
4479	P0064ACH	Barcode Labeling Of ATD Tubes	United States	To File				
4479	P0064ACH	Analyzing Spectrometric Date	Switzerland	Granted	0834725		97117174.9	1987/10/02
4479	P0064ADE	Analyzing Spectrometric Date	Germany	Granted	0834725			
4479	P0064AFR	Analyzing Spectrometric Date	France	Granted	0834725			
4479	P0064AGB	Analyzing Spectrometric Date	Great Britain	Granted	0834725			
4479	P0064AIT	Analyzing Spectrometric Date	Italy	Granted	0834725			
4479	P0064ANL	Analyzing Spectrometric Date	Netherlands	Granted	0834725			
2730	P0279AJP	Multiport Valve In Gas Collection System And Method Of Use	Japan	Granted	1,838,829	1984/04/25	27811/885	1985/12/12
4045	P0027ADE	Standardizing And Calibrating A Spectrometric Instrument	Germany	Granted	0501006		93100106.9	1983/01/07
4046	P0028ADE	Photometer Amplifier Linearity	Australia	Granted	050309554	1987/04/09	93100102.8	1983/01/07
4076	P0033AAU	Absorbance Correction In Atomic Absorption Spectroscopy	Australia	Granted	654,088		29814/82	
4137	P0039AAU	Grouping Of Spectral Bands For Data Acquisition	Australia	Granted	667,614		57573/84	
4693	P0085AEP	Tunable External Cavity Diode Laser	Europe	Published			97938051.6	1987/07/28
4642	P0345A	Use Of High Lines From Hg Lamp For Wavelength Standardization	United States	To File				
4641	P0155AJP	Low Cost Detector Cell	Japan	Granted	3,016,789	1989/12/24	78752/89	1989/12/24
4641	P0346A	Use Of Ne Lines For ICP Instrument Standardization	United States	To File				
5003	P0347A	Methods And Apparatus To Improve The Sensitivity	United States	Pending			80/193,874	2000/03/31
5006	P0348A	Apparatus And Methods For Bifluorescent Analytical Methods	United States	Pending			60/183,519	2000/03/31
	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	1989/08/01	07/187,106	1989/04/28
3824	P0099ACA	Arc Spray Gun For Coating Confined Areas	Canada	Granted	1,314,944	1989/07/23	687,288	1989/04/20
3824	P0099AJP	Arc Spray Gun For Coating Confined Areas	Japan	Granted	2,164,470	1989/06/25	1-104817	1989/04/26
3824	P0099AEP	Arc Spray Gun For Coating Confined Areas	Europe	Granted	0339650		89107686.1	1989/04/27
3824	P0099ACN	Arc Spray Gun For Coating Confined Areas	Critia	Granted	1039678			
3824	P0008ADE	Arc Spray Gun For Coating Confined Areas	Germany	Granted	68822646		89107686.1	1989/04/27
	P0032AJP							
5000	P0353A	Padding Of The Torch Glassware	United States	Pending			60/175,088	2000/01/13
3264	P0402A	Digital Gain Controlled Current To Voltage Amplifier	United States	Granted	4,659,877	1987/06/02	06/70/4,388	1985/02/22
	P0328ACH	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0328AUE	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						
4590	P0073AIVO	AutoSampler Heating Grippes With Shape Memory Metal Actuator	PCT	Pending			PCT/US00/03156	2000/02/14
	P0071B	AutoSampler	United States	Pending			09/518,466	2000/03/03
	P0045ADE	Nebulizer	Germany	Pending			68514,870.2.08	1993/06/22
	P0047BAU	Flow Regulation In Gas Chromatograph	Australia	Pending			1757800	2000/02/18

4070	P0033AAU	Method For Processing A Sample	Italy	Granted	0529285	1998/09/02	92112375.0	1992/07/20
4070	P0031AIT	Single Element Thermal Conductivity Detector	Japan	Granted	2,678,878	1998/08/28	198,545	1988/05/18
3480	P0271AJP	High Pressure Column Assembly For A Liquid Chromatograph	United States	Granted	4,952,858	1988/11/23	88108864.4	1988/05/17
	P03800A	Microthiograph Apparatus	Japan	Granted	0342839	1992/02/06	123,023	1988/05/18
	P0360AJP	Microthiograph Apparatus	Japan	Granted	2,035,709	1992/06/23	589,723	1988/05/15
	P0360ACA	Microthiograph Apparatus	Canada	Granted	1,304,173	1992/06/23	589,723	1988/05/15
	P0360ADE	Microthiograph Apparatus	Germany	Granted	88975233	1996/02/08	623,233	1989/05/17
5007	P0361A	Design Of A Device For Sampling A Surface To Collect	United States	To File				
5005	P0362A	Polymeric Carrier For Reagents	United States	To File				
5004	P0363A	Low Cost Internal Calibration Standard	United States	To File				
	P0364A	Dual Photoelectric Connection Of Background For Bioluminescence	United States	To File				
3518	P0199AGB	Atomic Absorption Spectrometer	Great Britain	Granted	2,180,004			
3522	P0200ADE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	P3870372.9		P3870372.9	
5014	P0365A	Conductive Coating To Eliminate Charge Effects And Reduce	United States	To File				
5011	P0365A	Sanit-Check Swab And Swabbing Technique	United States	To File				
5013	P0367A	Dual Photoelectric Connection Of Background For Bioluminescence	United States	To File				
5012	P0368A	Sanit-Check Detection Of Inhibitory Components	United States	To File				
4137	P0039ADE	Grouping Of Spectral Bands For Data Acquisition	Germany	Pending			684,24,082,6-08	
3526	P0201AGB	Device For Igniting A Flame In An Atomic Absorption Extromet	Great Britain	Granted	2,180,328	1987/03/25	8821842	1986/09/10
3526	P0201ADE	Device For Igniting A Flame In An Atomic Absorption Extromet	Germany	Granted	P3532537.2	1987/03/19	P3532537.2	1985/09/12
3522	P0200BDE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	3529547.3			1985/08/17
4499	P0371A	Method For Measuring Absolute Value Of Thermal Conductivity	United States	Granted	5,902,722	1989/05/11	60210,256	2000/06/08
4499	P0372A	Method Of Detecting Organisms In A Sample	United States	Pending			08/965,574	1987/12/05
4499	P0372AWO	Method Of Detecting Organisms In A Sample	United States	Pending				
5018	P0316A	RH Compensation By Nelson Coatings Of Electrochemical	United States	To File				
5020	P0317A	Planar Electrochemical Gas Sensor	United States	To File				
5021	P0318A	Electrochemical Gas Sensor With Miniaturized Flow Channels	United States	To File				
5022	P0319A	Catharion-Free Electrochemical Sensor	United States	To File				
	P0380A	Electrochemical Sensor With Dry Nelson	United States	To File				
5024	P0381A	Integrated Electrochemical Gas Generator	United States	To File				
5025	P0382A	Prevention Of Flooding In Thick-Film Electrochemical Sensors	United States	To File				
5026	P0383A	RH Compensation For Electrochemical Sensors With Different	United States	To File				