

09-27-2000

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ATENT
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IN THE UNITED STATES PATENT

101473724

Assignor:	Perkin-Elmer Corporation
Assignee:	Perkin Elmer LLC
Patent No. 5,053,621	Issue Date: October 1, 1991
Title of Application:	Electro-Optical Ion Detector For A Scanning Mass Spectrometer And Method Of Making Same

Box Assignment
Assistant Commissioner for Patents
Washington, DC 20231

Assignment Recordation Form Cover Sheet

Dear Sir:

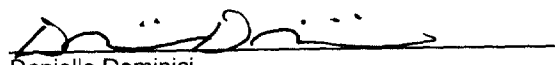
Please record the attached original document.

1. Name of conveying party(ies). Perkin-Elmer Corporation.
2. Name and Address of Receiving Party. Perkin Elmer LLC; located at 761 Main Avenue (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

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 12, 2000


Danielle Dominici

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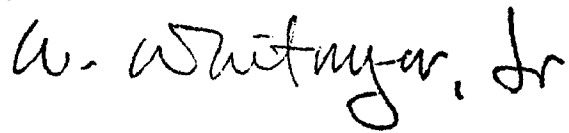
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PATENT
REEL: 011103 FRAME: 0278

5. Patent Number: 5,053,621.
6. Total Number of Patents Involved: 1.
7. Total Fee (37 CFR 3.41): \$40.00 due. A check for this amount is enclosed.
8. Authorization to Charge Deposit Account. The Commissioner is hereby authorized to charge any additional fees due by this paper and during the entire pendency of this Application to Account No. 19-4516.
9. Statement and Signature. Total number of pages including cover sheet, attachments and document are 16. To the best of my knowledge and belief, the foregoing information is true and correct.

Respectfully submitted,



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

CONFIRMATORY ASSIGNMENT

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

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

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

(Assignor)

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

By 
Name: Thomas Livingston
Title: ~~Assistant~~ Secretary

State of Connecticut
County of Fairfield ss.

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

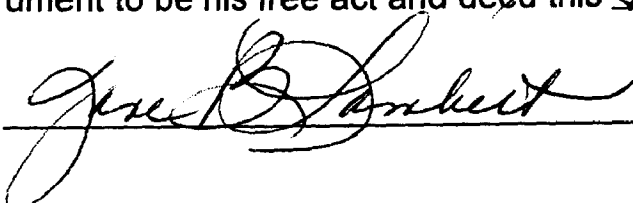
Notary Public 

			EXHIBIT A					
Partin Elmer No.	Model Code	Matter Name	Country	Status	Registration Number	Issue Date	Serial Number	File Date
0985	P0003ASE	Automatic Variable Filters For Use In Scanned Spectrometers	Sweden	Pending			11459-6	187304/23
2103	P0004AJP	Flame Ionization Detector Status Indicator	Japan	Pending			160948	187812/29
2132	P0005AJP	Detector Cell Assembly	Japan	Pending			60306/06	188804/23
2357	P0008AJP	High Resolution Stepping Motor Drive	Japan	Pending	2,730,577	1967/12/18	279489/87	188711/06
3602 (MWKUNSR)	P0016AJP	Ultra Frequency Slaved Voltage-To-Frequency Converter System	Japan	Granted	3,600,314	2000/04/28	02-205946	199008/02
3828	P0018AJP	Circuit For Synchronizing Digital Signals	Japan	Granted			P3927768.2	188908/23
3973	P0019ADE	Application Of Kaiman Filtering To ICP Spectra	Germany	Pending			P4100046.3	189101/03
3973	P0020ADE	Quadrupole Mass Filter For Charged Particles	Germany	Allowed	3,032,900	2000/02/18	2-304227	189011/13
3984	P0021AJP	3 Point Bending Measuring System	Japan	Pending			P4110763.2	189104/03
4014	P0023ADE	Puncher Holding Mechanism For Use In Chromatography	Germany	Granted	3,057,380	2000/04/21	3-73264081	199104/05
4014	P0023AJP	Puncher Holding Mechanism For Use In Chromatography	Japan	Granted			199102057	199110/207
4015	P0024ACA	Vial Locator And Sensor	Canada	Granted			2,035,916	199102/27
4015	P0024AJP	Vial Locator And Sensor	Japan	Granted	5-108160	1993/08/30	333027/01	199102/27
4037	P0025AJP	Circuit For Heating And Bending With A Single Element	Europe	Granted	0498063		91121135.7	199112/10
4037	P0027ACA	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted	4,310,830		03-345215	199112/26
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Canada	Pending			2,087,360	199201/15
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Europe	Granted	560,008		87250176.7	199705/09
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Japan	Granted	6,082,307		05-037343	199302/03
4045	P0027AJP	Standardizing And Calibrating A Spectrometric Instrument	Korea	Granted	1837/93	2000/03/14	193793	199302/12
4046	P0028ACA	Photodetector Amplitude Linearity	Canada	Pending			2,087,821	199302/12
4046	P0028AJP	Photodetector Amplitude Linearity	Japan	Granted	6-98745	1984/09/29	05-023171	199201/19
4046	P0028AJP	Photodetector Amplitude Linearity	Korea	Granted	247,171	1988/02/10	728/93	199201/21
4067	P0030AJP	Inductively Coupled Plasma Generator	Japan	Pending			115168/93	199201/21
4070	P0031AJP	Single Element Thermal Conductivity Detector	Japan	Pending	5-223171	1983/08/31	241447/92	199208/19
4076	P0033ADE	Absorbance Correction In Atomic Absorption Spectroscopy	Germany	Pending			P4240301.4	199212/01
4091	P0035ADE	Method And Apparatus For Heating A Thermionic Diode Sour	Germany	Pending			P4237167.8	199211/04
4091	P0035AJP	Method And Apparatus For Heating A Thermionic Diode Sour	Japan	Granted	5-256822	1993/10/08	04-327513	199211/13
4126	P0037AJP	Sampling Conditioning Method & Apparatus	Europe	Pending			91903988.3	199501/26
4133	P0038ADE	Optical Switching Apparatus With Retroreflector	Germany	Pending			15502431.1	199501/26
4133	P0038AJP	Optical Switching Device With Retroreflector	Japan	Granted	7,287,178		38691795	199502/27
4137	P0039ACA	Grouping Of Spectral Bands For Data Acquisition	Canada	Allowed			2,115,956	199402/17
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Europe	Granted	0615116	2000/04/26	54103598.2	199403/08
4137	P0039AJP	Grouping Of Spectral Bands For Data Acquisition	Japan	Granted	6,300,828		38743084	199402/09
4317	P0041ACA	Hybrid Valving System For Varying Fluid Flow Rate	Canada	Allowed			2,126,496	199406/22
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Europe	Granted	0636959	2000/04/27	94109891.5	199406/27
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	Japan	Granted	7,078,032		17702594	199407/28
4389	P0042AJP	Neutralizer	Europe	Published	0693320		85109736.9	199506/22
4389	P0042AJP	Neutralizer	Japan	Pending			180304/95	199507/17
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Australia	Granted	713,793	1996/05/24	52485106	199606/24
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Europe	Pending	0144599		86107288.1	199605/08
4382	P0044AJP	Optical Spectrometer For Detecting Spectra In Separate Range	Japan	Pending			132143/96	199605/27
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0763196		85821345.5	199505/22
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Europe	Pending	0803061		95921344.8	199505/22
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Japan	Pending			8500987	1996/11/29
4385	P0045AJP	Apparatus And Method For Differential Analysis Using Signals	Australia	Pending			8500986	1996/11/29
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Japan	Granted	710,068	2000/01/20	24315193	1993/10/17
4392	P0046AJP	Spectrometer With Selectable Radiation From Light Source	Europe	Pending	0703324		85115662.9	1993/10/19
4411	P0047AJP	Spectrometer With Selectable Radiation From Light Source	Japan	Pending			271017/95	1993/10/19
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Australia	Allowed			4580196	199602/28
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Canada	Pending			2,170,080	199602/28
4411	P0047AJP	Flow Regulation In Gas Chromatograph	Europe	Pending	0730151		96103188.7	199603/01

3061	P0110ABE	Sig Clutch Assembly	Belgium	Granted	0 133,226	1988/03/30	64108028.6	1984/7/79
3061	P0110AFR	Sig Clutch Assembly	France	Granted	0133226	1988/03/30	64108028.6	1984/7/79
3061	P0110ADE	Caulder Mechanism	Germany	Granted	34/D 189.0	1988/03/30	64108028.6	1984/7/79
3061	P0110ANL	Sig Clutch Assembly	Netherlands	Granted	0133226	1988/03/30	64108028.6	1984/7/79
3061	P0110AT	Sig Clutch Assembly	Italy	Granted	0133226	1988/03/30	64108028.6	1984/7/79
3061	P0110ACH	Sig Clutch Assembly	Switzerland	Granted	0133226	1988/03/30	64108028.6	1984/7/79
3061	P0110A	Sig Clutch Assembly	United States	Granted	4,660,050	1985/12/24	64108028.6	1984/7/79
3076	P0111AEP	Spectrophotometer	Europe	Granted	0135761	1991/08/05	64108506.0	1984/08/09
3076	P0111ABE	Spectrophotometer	Belgium	Granted	0 135,761	1991/08/05	64108506.0	1984/08/09
3076	P0111AFR	Spectrophotometer	France	Granted	0135761	1991/08/05	64108506.0	1984/08/09
3076	P0111ADE	Optical Design Of Fourier Transform Spectrophotometer	Germany	Granted	P 348486A.9	1991/08/05	64108506.0	1984/08/09
3076	P0111ANL	Spectrophotometer	Netherlands	Granted	0135761	1991/08/05	64108506.0	1984/08/09
3076	P0111AT	Spectrophotometer	Italy	Granted	0135761	1991/08/05	64108506.0	1984/08/09
3076	P0111AJP	Optical Design Of Fourier Transform Spectrophotometer	Japan	Granted	1,800,723	1993/11/12	64109508.0	1984/08/09
3076	P0111ACH	Spectrophotometer	Switzerland	Granted	0135761	1991/08/05	64109508.0	1984/08/09
3076	P0111AGB	Spectrophotometer	Great Britain	Granted	0135761	1991/08/05	64109508.0	1984/08/09
3101	P0111A	Spectrophotometer	United States	Granted	4,740,082	1988/04/28	64109508.0	1984/08/09
3101	P0111A	Spectrophotometer	United States	Granted	4,448,684	1984/05/15	64109508.0	1984/08/09
3109	P0113A	Liquid Chromatography Controller	United States	Granted	4,618,935	1986/10/21	64109508.0	1984/08/09
3111	P0114A	Pulse Damper	United States	Granted	4,548,713	1985/10/22	64109508.0	1984/08/09
3111	P0114ADE	RTV Pulse Damper	Germany	Granted	355C429.5	1988/10/05	355C429	1984/10/05
3111	P0114AJP	RTV Pulse Damper	Japan	Granted				
3111	P0114ASE	Pulse Damper	Sweden	Granted	0156132	1988/10/05	65101282.6	1985/02/26
3111	P0114ACH	Pulse Damper	Switzerland	Granted	0156132	1988/10/05	65101282.6	1985/02/26
3138	P0114AGB	Pulse Damper	Great Britain	Granted	0156132	1988/10/05	65101282.6	1985/02/26
3138	P0116A	Holder Assembly For Reaction Tubes	Australia	Allowed	706,769	1993/04/24	32891795	1985/08/27
3138	P0117A	KCP Bad Plasma Detector	Australia	Allowed	705,016	1993/04/24	62194795	1984/07/21
3135	P0115AEP	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Europe	Granted	0182200	1996/03/06	66101901.5	1986/02/14
3135	P0115AFR	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	France	Granted	0182200	1996/03/06	66101901.5	1986/02/14
3135	P0115ADE	A Novel Array Spectrometer	Germany	Granted	3550491.2	1996/03/06	3550491	1996/03/06
3135	P0115ANL	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Netherlands	Granted	0182200	1996/03/06	66101901.5	1986/02/14
3135	P0115AJP	A Novel Array Spectrometer	Japan	Granted	2,602,809	1997/01/29	68101901.5	1986/02/14
3135	P0115ACH	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Switzerland	Granted	0182200	1996/03/06	66101901.5	1986/02/14
3135	P0115AGB	Instantaneous Reading Multichannel Polychromatic Spectrophotometer	Great Britain	Granted	0182200	1996/03/06	66101901.5	1986/02/14
3138	P0116A	Holder Assembly For Reaction Tubes	United States	Granted	4,676,917	1997/07/07	68700260	1995/02/19
3138	P0116ADE	Holder Assembly For Reaction Tubes	Germany	Granted	3407065	1994/12/22	3407065	1994/02/27
3138	P0116AJP	Holder Assembly For Reaction Tubes	Japan	Granted	1,919,140	1995/04/07	3546804	1994/02/27
3138	P0116A	Holder Assembly For Reaction Tubes	United States	Granted	5,032,283	1997/07/16	68700260	1995/02/19
3138	P0116A	Holder Assembly For Reaction Tubes	United States	Granted	4,640,827	1997/07/16	68700260	1995/02/19
3138	P0116A	Holder Assembly For Reaction Tubes	United States	Granted	4,640,827	1997/07/16	68700260	1995/02/19
3142	P0117A	Apparatus For Monitoring A Plasma Torch	Europe	Granted	0175925	1992/09/30	65110513.0	1985/08/21
3142	P0118AEP	An Apparatus And Method For Optimizing Separation Of An Union	France	Granted	0175925	1992/09/30	65110513.0	1985/08/21
3142	P0118AFR	An Apparatus And Method For Optimizing Separation Of An Union	Germany	Granted	P 3586705.1	1992/09/30	65110513.0	1985/08/21
3142	P0118ADE	An Apparatus And Method For Optimizing Separation Of An Union	Netherlands	Granted	0175925	1992/09/30	65110513.0	1985/08/21
3142	P0118ANL	An Apparatus And Method For Optimizing Separation Of An Union	Switzerland	Granted	2,075,611	1996/07/25	65110513.0	1985/08/21
3142	P0118AJP	An Apparatus And Method For Optimizing Separation Of An Union	Japan	Granted	0175925	1992/09/30	65110513.0	1985/08/21
3142	P0118ACH	An Apparatus And Method For Optimizing Separation Of An Union	Switzerland	Granted	0175925	1992/09/30	65110513.0	1985/08/21
3142	P0118AGB	An Apparatus And Method For Optimizing Separation Of An Union	Great Britain	Granted	0175925	1992/09/30	65110513.0	1985/08/21
3142	P0118A	Apparatus And Method For Optimizing Separation Of A Sample	United States	Granted	4,579,653	1988/04/01	66085256	1984/08/24
3143	P0118A	Production Of Flexible Glass Capillary Tubing Without Extern	United States	Granted				
3162	P0120A	Light Detector Apparatus	United States	Granted	5,073,345	1997/12/17	68753370	1985/07/09
3163	P0121A	Sample Cell Temperature Stabilizer	United States	Granted	4,588,417	1988/05/20	66076860	1984/02/03
3173	P0123AEP	Compensator Plate Adjustment For Beam Splitter	Europe	Granted	0137206	1991/07/23	64109507.8	1984/08/09
3173	P0123ABE	Compensator Plate Adjustment For Beam Splitter	Belgium	Granted	0137206	1991/07/23	64109507.8	1984/08/09
3173	P0123AFR	Compensator Plate Adjustment For Beam Splitter	France	Granted	0137206	1991/07/23	64109507.8	1984/08/09
3173	P0123ADE	Compensator Plate Adjustment For Beam Splitter	Germany	Granted	P 3483982.5	1991/07/23	64109507.8	1984/08/09
3173	P0123ANL	Compensator Plate Adjustment For Beam Splitter	Netherlands	Granted	0137206	1991/07/23	64109507.8	1984/08/09
3173	P0123AJP	Compensator Plate Adjustment For Beam Splitter	Japan	Granted	0137206	1991/07/23	64109507.8	1984/08/09

4314	P0245AD	Connection Of Spectra For Stry Radiation	Germany	Granted	6441221.1	1998/04/06		
3259	P0132AEP	Multiple Streams Sampling System	Europe	Granted	0154186	1991/09/25		
4314	P0245AJP	Connection Of Spectra For Stry Radiation	Japan	Pending				
3259	P0132ADE	Multiple Streams Sampling System	Germany	Granted	3584175.3	1991/09/25		
3259	P0132ASE	Multiple Streams Sampling System	Sweden	Granted	0154186	1991/09/25		
4314	P0245AGB	Connection Of Spectra For Stry Radiation	Great Britain	Granted	0658751	1998/04/05	9411687.6.4	1994/12/15
3259	P0132ACH	Multiple Streams Sampling System	Switzerland	Granted	0154186	1991/09/25		
4314	P0245A	Connection Of Spectra For Stry Radiation	United States	Granted	5,428,658	1995/06/27	03/168,800	1993/12/17
3259	P0132A	Apparatus For Periodically Monitoring Composition of Samples	United States	Granted	4,678,639	1997/07/07	06/585,787	1994/03/02
3287	P0134A	Synchronous Wavelength Drive And Data Acquisition Conversion	United States	Granted	4,660,977	1997/04/28	06/004,344	1995/02/22
3282	P0135A	Safety Apparatus for an Atomic Absorption Spectro Burner	United States	Granted	4,668,267	1996/02/04	06/670,711	1994/11/13
3296	P0137A	Self-Spinning Lampholder	United States	Granted	4,597,034	1996/06/24	06/670,715	1994/11/13
3307	P0138AEP	Programmed Temperature Control Of A Thermal System	Europe	Granted	0184283	1991/12/04	85305195.1	1986/07/22
3307	P0138AFR	Programmed Temperature Control Of A Thermal System	France	Granted	0184283	1991/12/04	85305195.1	1986/07/22
3307	P0138ADE	Programmed Temperature Control Of A Thermal System	Germany	Granted	P3584824.3	1991/12/04	85305195.1	1986/07/22
3307	P0138AHL	Programmed Temperature Control Of A Thermal System	Netherlands	Granted	0184283	1991/12/04	85305195.1	1986/07/22
3307	P0138AJP	Programmed Temperature Control Of A Thermal System	Japan	Granted	2,033,583	1996/03/19	272231165	1985/12/03
3307	P0138ACH	Programmed Temperature Control Of A Thermal System	Switzerland	Granted	0184283	1991/12/04	85305195.1	1986/07/22
3307	P0138AGB	Programmed Temperature Control Of A Thermal System	Great Britain	Granted	0184283	1991/12/04	85305195.1	1986/07/22
3307	P0138A	Programmed Temperature Control Of A Thermal System	United States	Granted	4,752,216	1994/06/21	06/030,982	1986/11/13
3309	P0139A	Ionization Detectors For Gas Chromatography	United States	Granted	4,837,441	1999/06/06	06/922,586	1986/10/24
3312	P0140A	Ionization Detectors For Gas Chromatography	Great Britain	Granted	2,183,897	1990/07/11	8528165.6	1986/10/24
3312	P0140ADE	Linearized Ultra-Low Noise Mod Preamp	Germany	Granted	3605488	1995/05/24	3605488	1996/02/20
3312	P0140AGB	Linearized Ultra-Low Noise Mod Preamp	Japan	Granted	2,171,512	1996/07/10	8601993.9	1996/02/21
3312	P0140A	Detector Preamp/Driver for Use with a MCT Detector	Great Britain	Granted	4,682,022	1997/07/21	06/070,335	1996/02/21
3313	P0141A	Fluid Flow Control System	United States	Granted	4,617,953	1996/10/21	06/570,714	1994/11/13
2445	P0256AEP	Optical Beam Switching Apparatus	Germany	Granted	P2828145	1987/09/10	2828145	1997/06/27
2445	P0256AJP	Optical Beam Switching Apparatus	Italy	Granted	1115127	1996/02/03		
2445	P0256AGB	Optical Beam Switching Apparatus	Great Britain	Granted	1599349	1976/05/20		
3321	P0143A	System for Changing Oxidants in a Spectrophotometer	United States	Granted	4,571,172	1996/02/16	06/670,713	1994/11/13
3321	P0257AJP	Phase Synchronization	Japan	Granted	1,711,151	1992/11/11	9624082	1994/01/26
2515	P0257AGB	Spectroscopic Phase Synchronization Apparatus	Great Britain	Granted	2,092,288	1994/04/22	8131707.5	1991/10/21
2515	P0257A	Phase Synchronization Apparatus	United States	Granted	4,386,852	1993/05/07	06/229,683	1991/01/29
2646	P0258AJP	Method And Apparatus For Determining The Nature Of An Unknown	Japan	Granted	1,670,092	1992/08/12	1675391	1991/02/06
2780	P0101AAU	Apparatus Useful For Positioning A Light Filter	Great Britain	Granted	2,070,235	1994/02/01	8103080.4	1991/02/02
3331	P0144AEP	Solvent Presaturating & Degassing System	Australia	Granted	584,417	1986/12/12	8437162	1982/06/01
3331	P0144AFR	Solvent Presaturating & Degassing System	France	Granted	0179349	1989/05/24		
3331	P0144ADE	Solvent Presaturating & Degassing System	Europe	Pending	3570527.2	1989/05/24	90101324.3	1990/01/23
3331	P0144AHL	Solvent Presaturating & Degassing System	Germany	Granted	0179349	1989/05/24		
3331	P0144AJP	Solvent Presaturating & Degassing System	Netherlands	Granted	0179349	1989/05/24		
3331	P0144AGB	Solvent Presaturating & Degassing System	Switzerland	Granted	0179349	1989/05/24		
3331	P0144A	Solvent Presaturating System	Great Britain	Granted	0179349	1989/05/24		
3331	P0280AJP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	4,541,452	1995/09/17	06/659,374	1994/10/10
3365	P0145AEP	Ionization Detectors For Gas Chromatography	Japan	Pending	3,063,832	2000/04/07	3554390	1990/01/16
3365	P0145AFR	Ionization Detectors For Gas Chromatography	Europe	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145ADE	Ionization Detectors For Gas Chromatography	France	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145AHL	Ionization Detectors For Gas Chromatography	Germany	Granted	P3779818.9	1992/06/17	87105713.9	1987/04/16
3365	P0145AJP	Ionization Detectors For Gas Chromatography	Netherlands	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0280ACA	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Canada	Aborted	2,007,782	2000/10/14	2,007,782	1990/01/15
3365	P0145AEP	Ionization Detectors For Gas Chromatography	Italy	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145AFR	Ionization Detectors For Gas Chromatography	Japan	Granted	2,574,289	1996/10/24		
3365	P0145ADE	Ionization Detectors For Gas Chromatography	Sweden	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145AHL	Ionization Detectors For Gas Chromatography	Great Britain	Granted	0249714	1992/06/17	87105713.9	1987/04/16
3365	P0145AJP	Ionization Detectors For Gas Chromatography	United States	Granted	4,873,062	1999/10/17	07/004,610	1997/01/09
3365	P0042AAU	Method	Australia	Granted	707,363	1999/07/08	2501195	1995/07/14

3369	P0146AEP	Automatic Optimization Procedure	Europe	Granted	0192201	1992/07/29			
3368	P0146AAU	Automatic Optimization Procedure	Australia	Granted	568,853	1980/07/27	6344/486	1986/02/20	
3368	P0146ACA	Automatic Optimization Procedure	Canada	Granted	1,271,342	1980/07/10	500,041	1985/07/31	
3368	P0146ADE	Automatic Optimization Procedure	Germany	Granted	3686175.8	1989/07/29			
3368	P0146ANL	Automatic Optimization Procedure	Netherlands	Granted	0192201	1989/07/29			
3369	P0146AT	Automatic Optimization Procedure	Italy	Granted	0192201	1989/07/29			
3369	P0146AJP	Automatic Optimization Procedure	Japan	Granted	1,911,192	1993/03/09	35-408/88	1996/02/21	
3369	P0146ACH	Automatic Optimization Procedure	Switzerland	Granted	0192201	1989/07/29			
3369	P0146A	Optimization Apparatus and Procedure	United States	Granted	4,689,754	1987/08/25	06/704,358	1995/02/21	
3368	P0199AAU	Atomic Absorption Spectrometer	Australia	Granted	502,261	1990/03/16	60056485	1990/08/07	
3368	P0199AJP	Atomic Absorption Spectrometer	Japan	Granted	2,118,078	1986/12/05			
3368	P0198A	Atomic Absorption Spectrometer	United States	Granted	4,991,960	1991/02/12	06/893,766	1988/08/06	
3372	P0200AJP	Gas Control Device For Controlling The Fuel Gas	Japan	Granted	2,016,021	1986/02/19	191787/86	1986/08/18	
3377	P0147A	Burner Assembly For Atomic Absorption Spectrometer	United States	Granted	4,776,654	1988/07/01	06/932,957	1986/11/18	
3377	P0147AJP	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	Japan	Granted					
4041	P0175A	Electro-Optical Ion Detector For A Scanning Mass Spectrometer	United States	Granted	5,053,621	1991/11/01	07/616,123	1990/11/19	
3308	P0262A	Electrothermal Atomization Furnace For Spectroscopy	United States	Granted	4,917,493	1990/04/17	07/205,688	1988/08/13	
3328	P0018A	Synchronization Of Digital Signals With Alternating Current	United States	Granted	4,861,207	1990/10/02	07/238,150	1989/08/02	
4014	P0023A	Plunger Holding Mechanism For Use In Chromatography	United States	Granted	5,360,588	1986/11/01	07/504,826	1990/04/05	
4020	P0031A	Single Element Thermal Conductivity Detector	United States	Granted	5,265,459	1993/11/20	07/748,588	1991/08/22	
4037	P0025A	Circuit For Heating And Sensing With A Single Element	United States	Granted	5,038,198	1992/03/24	07/637,392	1991/08/104	
2695	P0281AAU	Optical Coupling Device	Australia	Granted	542,372	1985/02/21	76972/81	1981/10/30	
2695	P0281ADE	Optical Coupling Device	Germany	Granted	3175932.7	1987/02/25	3175932	1987/02/25	
2695	P0281ACH	Optical Coupling Device	Switzerland	Granted	0031192	1987/02/25			
4045	P0027A	Standardizing And Calibrating A Spectrometric Instrument	United States	Granted	5,303,165	1994/04/12	07/834,448	1992/02/12	
4317	P0041A	Hybrid Valving System For Varying Fluid Flow Rate	United States	Granted	5,329,985	1994/07/19	08/100,586	1993/07/30	
4382	P0044A	Optical Spectrometer For Detecting Spectra In Separate Range	United States	Granted	5,365,983	1986/10/15	08/451,351	1989/05/26	
4369	P0042A	Nebulizer	United States	Granted	5,464,157	1995/11/07	08/276,144	1994/07/18	
4371	P0043B	Spark Sampling Microparticle Generator And Method	United States	Granted	5,452,069	1995/08/19	08/137,854	1993/10/15	
3384	P0021A	3 Point Bending Measuring System	United States	Granted	4,976,152	1990/12/11	07/435,114	1989/11/13	
4015	P0024C	Vial Loader And Sensor	United States	Granted	5,171,530	1992/12/15	07/803,689	1991/12/03	
3382	P0084AEP	Integral Separation Capillary Conductivity Detector	Europe	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/06	
3382	P0084AFR	Integral Separation Capillary Conductivity Detector	France	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/06	
3382	P0084ADE	Integral Separation Capillary Conductivity Detector	Germany	Granted	P37637/88.2	1993/01/27	87/1057,12.1	1987/04/06	
3382	P0084ANL	Integral Separation Capillary Conductivity Detector	Netherlands	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/06	
3382	P0084AIT	Integral Separation Capillary Conductivity Detector	Italy	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/06	
3382	P0084AJP	Integral Separation Capillary Conductivity Detector	Japan	Granted	2,735,546	1990/01/09			
3382	P0084ASE	Integral Separation Capillary Conductivity Detector	Sweden	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/06	
3382	P0084AGB	Integral Separation Capillary Conductivity Detector	Great Britain	Granted	0241940	1993/01/27	87/1057,12.1	1987/04/06	
3382	P0084A	Method of Fabricating Capillary Electro Separation Channels	United States	Granted	4,816,123	1988/03/28	06/801,803	1987/10/06	
3382	P0268A	Power Circuit For Spectral Analysis Gaseous Discharge Lamps	United States	Granted	4,682,805	1987/07/28	06/804,948	1986/02/16	
3382	P0267A	Power Circuit For Spectral Analysis Gaseous Discharge Lamps	United States	Granted	4,716,342	1987/12/29	06/804,948	1986/02/16	
3382	P0268A	Flame Atomic Absorption Spectrophotometer	United States	Granted	4,726,678	1988/02/23	06/835,145	1986/03/03	
336	P0269A	Fluorescence Translational Bearing	United States	Granted	4,684,811	1987/08/04	06/835,145	1986/03/03	
3371	P0270A	System for Calibrating A Monochromator	United States	Granted	4,779,216	1988/10/16	06/837,436	1986/03/07	
3380	P0271A	High Pressure Column Assembly For A Liquid Chromatograph	United States	Granted	4,876,005	1989/10/24	07/281,374	1988/12/08	
3380	P0271AEP	High Pressure Column Assembly For A Liquid Chromatograph	Europe	Granted	0328146	1993/08/20	89/102368.1	1989/02/10	
3380	P0271ADE	High Pressure Column Assembly For A Liquid Chromatograph	Germany	Granted	P68924284.0	1993/08/20	89/102368.1	1989/02/10	
3380	P0271AGB	High Pressure Column Assembly For A Liquid Chromatograph	Great Britain	Granted	0328146	1993/08/20	89/102368.1	1989/02/10	
3314	P0272A	Programmable Lamp Plug	United States	Granted	4,670,813	1987/05/02	06/802,924	1986/11/28	
	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						

4488	P0303AJP	Method And Apparatus For Comparing Spectra	Japan	Granted	5,209,826	1993/03/20	4-287034	1992/10/02
4501	P0330B	Detection Of Low Level Analyses In Samples Using Agglutini	United States	Pending			00/288,513	1999/03/12
	P0333A	Spectroscopic Determination Of The Dissociation Constants	United States	To File				
4449	P0340A	Non-Immunoassay Determination Of Protein-Ligand Interaction	United States	Granted	594,940	1990/07/05	161759/8	1994/08/20
3808	P0282AAU	Electrochromic Absorption Furnace For Spectroscopy	Australia	Granted	5,056,886	1991/10/15	07/603,592	1990/10/25
4010	P0341A	Optical Switching Device	United States	Granted	5,198,008	1993/03/30	07/786,497	1991/11/22
4083	P0282A	Method Of Manufacturing Glass Beads	United States	Granted	5,525,451	1996/06/11	06/324,650	1994/10/18
4086	P0334B	Photometric Instrument With Optical Fibers For Analyzing	United States	Granted	4,985,683	1991/01/15	07/173,201	1990/03/24
3527	P0287A	Phase Angle Measurement	France	Granted	0334303	1994/07/20	89105064.3	1993/03/21
3527	P0287AFR	Phase Angle Measurement	France	Granted	0334303	1993/03/21	89105064.3	1993/03/21
3527	P0287AT	Phase Angle Measurement	France	Granted	0334303	1993/03/21	89105064.3	1993/03/21
3527	P0287AJP	Phase Angle Measurement	Japan	Granted	1,316,631	1989/12/21	73716/89	1990/03/24
3527	P0287ACH	Phase Angle Measurement	Switzerland	Granted	0334303	1994/07/20	89105064.3	1993/03/21
3527	P0287AGB	Phase Angle Measurement	Great Britain	Granted	0334303	1994/07/20	89105064.3	1993/03/21
3802	P0015B	Line Frequency Slaved Voltage-To-Frequency Converter System	United States	Granted	4,886,573	1989/09/18	07/119,594	1987/11/12
3902	P0015AEP	Line Frequency Slaved Voltage-To-Frequency Converter System	Europe	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3902	P0015AFR	Line Frequency Slaved Voltage-To-Frequency Converter System	France	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3902	P0015ADE	Line Frequency Slaved Voltage-To-Frequency Converter System	Germany	Granted	P3780522.6	1993/07/14	87115917.4	1987/10/29
3902	P0015ANE	Line Frequency Slaved Voltage-To-Frequency Converter System	Netherlands	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3902	P0015ACH	Line Frequency Slaved Voltage-To-Frequency Converter System	Switzerland	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3902	P0015AGB	Line Frequency Slaved Voltage-To-Frequency Converter System	Great Britain	Granted	0266682	1993/07/14	87115917.4	1987/10/29
3628	P0284A	Analysis Of Organic Material	United States	Granted	4,795,914	1989/10/03	07/019,365	1987/03/27
3628	P0284B	Analysis Of Organic Material	United States	Granted	5,044,860	1991/09/03	07/176,713	1988/04/07
3628	P0284C	Analysis Of Organic Material	United States	Granted	5,013,928	1991/05/07	07/216,721	1988/07/13
3628	P0284AT	Analysis Of Organic Material	Italy	Granted	0260335	1993/07/26	88102840.0	1988/02/26
3628	P0284AJ	Analysis Of Organic Material	Japan	Granted	2,633,011	1993/03/08	42430/88	1988/02/26
3628	P0284BIP	Analysis Of Organic Material	Japan	Granted	2,730,624	1993/12/19	56199/97	1993/01/16
3628	P0284CIP	Analysis Of Organic Material	Japan	Pending				
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0260335	1993/07/26	88102840.0	1988/02/26
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	4,818,916	1987/03/06	07/022,628	1987/10/30
3628	P0284AFR	Analysis Of Organic Material	France	Granted	9261157	1994/05/29	88103400.7	1988/03/04
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	2,708,447	1993/10/17	51194/88	1988/03/07
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261157	1994/05/29	88103400.7	1988/03/04
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261157	1994/05/29	88103400.7	1988/03/04
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	4,766,287	1988/08/23	07/022,910	1987/10/30
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261158	1994/01/12	88103413.6	1988/03/04
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	2,758,165	1994/01/12	88103413.6	1988/03/04
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261158	1994/01/12	88103413.6	1988/03/04
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261158	1994/01/12	88103413.6	1988/03/04
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	4,872,979	1988/10/10	07/041,554	1987/10/30
3628	P0284AFR	Analysis Of Organic Material	France	Granted	698,926	1988/04/22	15092/88	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Australia	Granted	0267922	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0267922	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0267922	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	2,044,269	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0267922	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0267922	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0267922	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0267922	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	4,395,163	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	4,813,287	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AJP	Analysis Of Organic Material	United States	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AFR	Analysis Of Organic Material	France	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ADE	Analysis Of Organic Material	Germany	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284ACH	Analysis Of Organic Material	Switzerland	Granted	0261986	1993/03/10	88105746.3	1988/04/22
3628	P0284AGB	Analysis Of Organic Material	Great Britain	Granted	0261986	1993/		

3729	P0335ANL	Detector For A Spectrometer	Netherlands	Granted	0316802	1994/04/06	88118828.8	1998/11/11
3772	P0301A	Standardization Of Spectral Lines	United States	Granted	4,803,259	1990/01/09	07/201,510	1998/06/02
3772	P0301AAV	Standardization Of Spectral Lines	Australia	Granted	616,524	1991/10/21	35873189	1998/06/01
3772	P0301ACA	Standardization Of Spectral Lines	Canada	Granted	1,325,528	1993/12/23	801,317	1998/05/31
3772	P0301AFH	Standardization Of Spectral Lines	France	Granted	0344782	1993/10/27	88108947.5	1998/06/01
3772	P0301AVT	Standardization Of Spectral Lines	Japan	Granted	0244782	1993/10/27	15938589	1998/06/02
3772	P0301AAGB	Standardization Of Spectral Lines	Great Britain	Granted	0344782	1993/10/27	88108947.5	1998/06/01
3808	P0262AEP	Electrothermal Atomization Furnace For Spectroscopy	Germany	Granted	0285867	1994/03/16	88108947.5	1998/06/01
3808	P0262ADE	Electrothermal Atomization Furnace For Spectroscopy	Netherlands	Granted	0285867	1994/03/16	88108947.5	1998/06/01
3808	P0262ANL	Electrothermal Atomization Furnace For Spectroscopy	Japan	Granted	0285867	1994/03/16	88108947.5	1998/06/01
3808	P0262AJP	Electrothermal Atomization Furnace For Spectroscopy	Great Britain	Granted	0285867	1994/03/16	88108947.5	1998/06/01
3809	P0300AFR	Monochromator Drift Compensation	Italy	Granted	0344783	1994/03/16	88108947.5	1998/06/01
3809	P0300AAT	Monochromator Drift Compensation	Great Britain	Granted	0344783	1994/03/16	88108947.5	1998/06/01
3809	P0300AGB	Monochromator Drift Compensation	Japan	Granted	0344783	1994/03/16	88108947.5	1998/06/01
3809	P0300AJP	Monochromator Drift Compensation	Great Britain	Granted	0344783	1994/03/16	88108947.5	1998/06/01
4014	P0024AFR	Pump/Injector Mechanism For Use In Chromatography	France	Granted	2,243,411	1993/08/25	81102281.2	1998/06/02
4015	P0024ANL	Valve Locality And Sensor	Netherlands	Granted	0444498	1993/05/17	81102281.2	1998/06/02
4015	P0024AIT	Valve Locality And Sensor	Italy	Granted	0444498	1993/05/17	81102281.2	1998/06/02
4015	P0024ACH	Valve Locality And Sensor	Switzerland	Granted	0444498	1993/05/17	81102281.2	1998/06/02
4015	P0024AJP	Valve Locality And Sensor	United States	Granted	5,173,742	1992/12/22	91102281.2	1998/06/02
4056	P0331AEP	Double Beam Detector System For Liquid Chromatography	Europe	Granted	0528541	1996/04/17	92114331.8	1998/06/02
4056	P0331ADE	Double Beam Detector System For Liquid Chromatography	Germany	Granted	0528541	1996/04/17	92114331.8	1998/06/02
4056	P0331AANL	Double Beam Detector System For Liquid Chromatography	Netherlands	Granted	0528541	1996/04/17	92114331.8	1998/06/02
4056	P0331AAT	Double Beam Detector System For Liquid Chromatography	Italy	Granted	0528541	1996/04/17	92114331.8	1998/06/02
4056	P0331ACH	Double Beam Detector System For Liquid Chromatography	Switzerland	Granted	0528541	1996/04/17	92114331.8	1998/06/02
4056	P0331AJP	Double Beam Detector System For Liquid Chromatography	Germany	Granted	0528541	1996/04/17	92114331.8	1998/06/02
4067	P0030AEP	Inductively Coupled Plasma Generator	Europe	Granted	0588920	1996/03/27	93106922.1	1998/04/28
4067	P0030AEP	Inductively Coupled Plasma Generator	France	Granted	0588920	1996/03/27	93106922.1	1998/04/28
4067	P0030AAT	Inductively Coupled Plasma Generator	Italy	Granted	0588920	1996/03/27	93106922.1	1998/04/28
4067	P0030AGB	Inductively Coupled Plasma Generator	Great Britain	Granted	0588920	1996/03/27	93106922.1	1998/04/28
4067	P0030AJP	Inductively Coupled Plasma Generator	United States	Granted	5,308,982	1994/06/03	07/856,519	1998/10/05
4088	P0307AFR	Method And Apparatus For Comparing Spectra	France	Granted	0535700	1997/03/26	92116913.2	1998/10/02
4088	P0307AANL	Method And Apparatus For Comparing Spectra	Netherlands	Granted	0535700	1997/03/26	92116913.2	1998/10/02
4088	P0307ACH	Method And Apparatus For Comparing Spectra	Switzerland	Granted	0535700	1997/03/26	92116913.2	1998/10/02
4088	P0307AGB	Method And Apparatus For Comparing Spectra	Great Britain	Granted	0535700	1997/03/26	92116913.2	1998/10/02
4088	P0307AJP	Method And Apparatus For Comparing Spectra	United States	Granted	4,895,443	1996/01/23	07/204,935	1998/06/20
3807	P000BA	Electrothermal Atomization Of Samples	Great Britain	Granted	0288460	1992/11/19	88108947.5	1998/06/01
3807	P000BAGB	Electrothermal Atomization Of Samples	Australia	Granted	602,098	1992/11/19	18174/88	1998/06/02
3807	P000BAV	Electrothermal Atomization Of Samples	Germany	Granted	0288460	1992/11/19	88108947.5	1998/06/01
3807	P000BAE	Electrothermal Atomization Of Samples	Netherlands	Granted	0288460	1992/11/19	88108947.5	1998/06/01
3807	P000BAJP	Electrothermal Atomization Of Samples	Japan	Granted	2,633,628	1992/04/25	150392788	1998/06/02
3536	P029BA	Detector Cell For Liquid Chromatography	United States	Granted	4,896,356	1989/12/12	07/176,524	1998/04/01
3536	P029BAFR	Detector Cell For Liquid Chromatography	France	Granted	0335268	1995/07/12	88105253.1	1998/04/23
3536	P029BAAT	Detector Cell For Liquid Chromatography	Italy	Granted	0335268	1995/07/12	88105253.1	1998/04/23
3536	P029BAGB	Detector Cell For Liquid Chromatography	Netherlands	Granted	0335268	1995/07/12	88105253.1	1998/04/23
3536	P029BAJP	Detector Cell For Liquid Chromatography	United States	Granted	4,985,626	1991/01/16	07/462,245	1998/04/23
4046	P002BA	Probe/Injector Amplifier Linearity	United States	Granted	5,223,838	1992/07/20	07/823,631	1998/11/20
4070	P0031AAGB	Single Element Thermal Conductivity Detector	Great Britain	Granted	5,315,528	1994/05/24	07/801,990	1998/11/20
4317	P0041AFR	Hybrid Valving System For Varying Fluid Flow Rate	Germany	Published	0510295	1998/09/02	92112375.8	1998/06/27
4317	P0041AJP	Hybrid Valving System For Varying Fluid Flow Rate	France	Published	0510295	1998/09/02	92112375.8	1998/06/27
4317	P0041AGB	Hybrid Valving System For Varying Fluid Flow Rate	Great Britain	Published	0510295	1998/09/02	92112375.8	1998/06/27

2166	P0087A	Fluid Flow Control Device	United States	Granted	4,354,932	1982/10/19	06/197,302	1980/10/15
4458	P0086A	Heater Control Circuit	United States	Granted	5,672,289	1987/08/20	08/558,410	1986/07/11
4443	P0085A	Apparatus For Controlling Level Of Cryogenic Liquid	United States	Granted	5,671,603	1987/08/20	08/569,438	1985/12/08
4435	P0084A	Dry Gas Curtain For Cryogenic Surface	United States	Granted	5,580,537	1987/10/07	08/524,555	1986/03/07
4431	P0083A	Calorimeter Having Rapid Cooling Of A Heating Vessel Therein	United States	Granted	5,876,118	1989/03/02	08/569,358	1985/12/08
4430	P0082A	Gas Chromatographic System With Controlled Sample Transfer	United States	Granted	5,711,786	1989/01/27	08/734,639	1986/10/21
4411	P0081A	Flow Regulation In Gas Chromatograph	United States	Granted	5,645,252	1986/08/13	08/337,707	1985/07/01
3522	P0080A	Gas Control Device For Controlling The Fuel Gas	United States	Granted	4,981,530	1987/10/21	08/683,770	1986/09/16
4073	P0079A	Differential Diodes Analyzer	Japan	Pending				
3536	P0078A	Detector Cell	Europe	Granted	0336286	1989/07/12	89/106283.1	1989/03/23
2156	P0077A	Optical Coupling Device	United States	Granted	4,494,212	1985/01/15	06/678,547	1984/07/06
2782	P0076A	Formmeter System With Synchronous Clock For Generation Of Tl	United States	Granted	4,345,478	1982/08/24	06/224,783	1981/10/13
2730	P0075A	Multi-port Valve In Gas Collection System And Method Of Use	United States	Granted	4,301,211	1988/07/22	06/680,658	1984/12/12
3536	P0074A	Low Cost Detector Cell	Japan	Granted	12,042,337	1989/12/24	78/620/8	1988/03/31
3538	P0073A	Detector Cell For Liquid Chromatography	Europe	Published	0626574		94/109/52.8	1993/03/23
4511	P0072A	Monitoring Constituents Of An Animal Organ Using Statistical	United States	Pending			06/479,642	2000/01/07
5015	P0071A	Barcode Labeling Of ATO Tubes	United States	To File				
4479	P0070A	Analyzing Spectrometric Data	Switzerland	Granted	0604725		97/117/4.9	1997/10/02
4479	P0069A	Analyzing Spectrometric Data	Germany		0604725			
4479	P0068A	Analyzing Spectrometric Data	France		0604725			
4479	P0067A	Analyzing Spectrometric Data	Great Britain		0604725			
4479	P0066A	Analyzing Spectrometric Data	Italy		0604725			
4479	P0065A	Analyzing Spectrometric Data	Netherlands		0604725			
4479	P0064A	Analyzing Spectrometric Data	Japan	Granted	1,438,829	1984/04/25	27811/1/85	1985/12/12
2730	P0063A	Multi-port Valve In Gas Collection System And Method Of Use	Germany	Granted	0560006		93/100/106.9	1993/01/07
4445	P0062A	Standardizing And Calibrating A Spectrometric Instrument	Germany	Granted	069309504	1987/04/09	93/100/102.8	1993/01/07
4046	P0061A	Protolitefor Amplitude Linearity	Australia	Granted	654,068		28914/192	
4076	P0060A	Absorbance Correction In Atomic Absorption Spectroscopy	Australia	Granted	667,614		57673/194	
4137	P0059A	Grouping Of Spectral Bands For Data Acquisition	Europe	Published			97330351.6	1997/07/28
4483	P0058A	Tunable External Cavity Diode Laser	United States	To File				
4642	P0057A	Use Of Hg Lines From Hg Lamp For Wavelength Standardization	United States	Granted	3,016,789	1989/12/24	78,752/89	1989/12/24
4641	P0056A	Low Cost Detector Cell	Japan	Granted				
	P0055A	Use Of Ne Lines For ICP Instrument Standardization	United States	To File			60/193,974	2000/03/31
5003	P0054A	Methods And Apparatus To Improve The Sensitivity	United States	Pending			60/193,519	2000/03/31
5006	P0053A	Apparatus And Methods For Bifluorescent Analytical Methods	United States	Pending				
	P0052A	Polymetric Sampling Syrah						
	P0051A	Polymetric Sampling Pad						
3824	P0050A	Sampling Device For Use In Automated Methods	United States	Granted	4,653,513	1989/08/01	07/187,106	1988/04/28
3824	P0049A	Arc Spray Gun For Coating Confined Areas	Canada	Granted	1,314,944	1983/03/23	587,286	1988/04/20
3824	P0048A	Arc Spray Gun For Coating Confined Areas	Japan	Granted	2-164470	1980/06/25	1-104817	1988/04/26
3824	P0047A	Arc Spray Gun For Coating Confined Areas	Europe	Granted	0319650		81/07686.1	1989/04/27
3824	P0046A	Arc Spray Gun For Coating Confined Areas	Cuba	Granted	1039978			
3824	P0045A	Arc Spray Gun For Coating Confined Areas	Germany	Granted	68823645		89/107686.1	1989/04/27
	P0044A							
5000	P0043A	Padding Of The Torch Glassware	United States	Pending			60/175,888	2000/01/13
3264	P0042A	Digital Gain Controlled Current To Voltage Amplifier	United States	Granted	4,659,877	1987/06/02	06/704,388	1985/02/22
	P0041A	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0040A	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0039A	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0038A	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0037A	Detection Of Low Level Hydrophobic Analyses In Samples						
4590	P0036A	Detection Of Low Level Hydrophobic Analyses In Samples						
	P0035A	Autosampler Having Grippers With Shape Memory Metal Actuators	PCT	Pending			PCT/US00/01736	2000/02/14
	P0034A	Autosampler	United States	Pending			09/518,466	2000/03/03
	P0033A	Nebulizer	Germany	Pending			695,14,870,2-08	1993/06/22
	P0032A	Flow Regulation In Gas Chromatograph	Australia	Pending			1757800	2000/02/18

	P0053A1T	Fluid Conveying Device With Removable Connection	Italy	Pending				
	P0053A1R	Fluid Conveying Device With Removable Connection	France	Pending				
	P0053A1DE	Fluid Conveying Device With Removable Connection	Germany	Pending				
	P0053A1CH	Fluid Conveying Device With Removable Connection	Switzerland	Pending				
4404	P0065A1WO	Self Aligning Optical Fiber Terminator	PCF	Pending				
	P0057A	Non-Contacting Method Of Cleaning Surfaces	United States	Granted	4,866,024	1990/09/11	PC7/US90/03687	2000/04/01
	P0057A1CA	Non-Contacting Method Of Cleaning Surfaces	Canada	Granted	1,315,823	1992/04/13	587,835	1998/01/10
	P0057A1EP	Non-Contacting Method Of Cleaning Surfaces	Europe	Granted	0324,435	1993/07/19	89,100,445.9	1998/07/11
	P0057A1DE	Non-Contacting Method Of Cleaning Surfaces	Japan	Granted	1,225,125	1993/09/08	892,882	1999/07/11
3546	P0058A	Scanning Array Spectrophotometer	Germany	Granted	6,800,422	1993/11/04	809,432	1999/07/10
	P0059A	Method and Apparatus For Reactorless Rotation	United States	Granted	5,131,611	1992/07/21	891,935	1997/04/28
4369	P0042A1DE	Nebulizer	Germany	Granted	5,693,320		P6951,4870.2	
4368	P0042A1GB	Nebulizer	United Kingdom	Granted	889,320		893,320	
4369	P0042A1NL	Nebulizer	Netherlands	Granted	889,320		893,320	
	P0033A1AU	Method For Processing A Sample						
4070	P0031A1T	Single Element Thermal Conductivity Detector	Italy	Granted	952,295	1993/09/02	921,123,75.8	1992/07/20
3480	P0027A1NP	High Pressure Column Assembly For A Liquid Chromatograph	Japan	Granted	2,678,878			
	P00380A	Microphotograph Apparatus	United States	Granted	4,952,858	1990/08/28	198,545	1998/05/18
	P00360A1EP	Microphotograph Apparatus	Europe	Granted	0342,638	1993/11/23	89,106,854.4	1998/05/17
	P00360A1CA	Microphotograph Apparatus	Japan	Granted	2,035,709	1990/02/06	123,023	1998/05/18
	P00360A1DE	Microphotograph Apparatus	Canada	Granted	1,304,173	1992/06/23	599,723	1998/05/15
5007	P00361A	Design Of A Device For Sampling A Surface To Collect	Germany	Granted	6892,5233	1996/02/08	623,233	1999/05/17
5005	P00362A	Dynamic Carrier For Reagents	United States	To File				
5004	P00363A	Low Cost Internal Calibration Standard	United States	To File				
	P00364A	Dual Photodiode Connection Of Background For Bioluminescence						
3510	P0039A1GB	Atomic Absorption Spectrometer	Great Britain	Granted	2,180,064			
3522	P0020A1DE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	P3870372.9		P3870372.9	
6014	P0065A	Conductive Coating To Eliminate Charge Effects And Reduce	United States	To File				
5013	P0066A	Self-Check Swab And Swabbing Technique	United States	To File				
5012	P0067A	Dual Photodiode Connection Of Background For Bioluminescence						
5012	P0068A	Self-Check Detection Of Inhibitory Components	United States	To File				
4137	P0039A1DE	Grouping Of Spectral Bands For Data Acquisition	Germany	Pending			684,24,082.6-08	
3526	P0020A1GB	Device For Igniting A Flame In An Atomic Absorption Extromet	Great Britain	Granted	2,180,028	1987/03/25	682,1642	1986/09/10
3528	P0020A1DE	Device For Igniting A Flame In An Atomic Absorption Extromet	Germany	Granted	P3532537.2	1987/03/19	P3532537.2	1986/09/12
3622	P0020B1DE	Gas Control Device For Controlling The Fuel Gas	Germany	Granted	3528,547.3			1985/08/17
	P0037A	Method For Measuring Absolute Value Of Thermal Conductivity	United States	Pending			602,210,256	2000/06/08
4499	P0037A1CA	Method Of Detecting Organisms In A Sample	United States	Granted	5,902,722	1998/05/11	008,985,574	1997/12/05
4499	P0037A1WO	Method Of Detecting Organisms In A Sample						
5019	P0037A	RH Compensation By Nucleon Coatings Of Electrochemical	United States	To File				
5020	P0037A	Plasma Electrochemical Gas Sensor	United States	To File				
5021	P0037A	Electrochemical Gas Sensor With Miniaturized Flow Channels	United States	To File				
6022	P0037A	Catharion-Free Electrochemical Sensor	United States	To File				
5024	P00380A	Electrochemical Sensor With Dry Nucleon	United States	To File				
5025	P00382A	Integrated Electrochemical Gas Detector	United States	To File				
5026	P00383A	Prevention Of Flooding In Thick-Film Electrochemical Sensors	United States	To File				
	P00383A	RH Compensation For Electrochemical Sensors With Differential	United States	To File				