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Description and Location of Property

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**US Patent 6,010,613 - Describes a set of waveforms for use in electroporation. This patent is used in all of Cyto Pulse's applications**

**US Patent 6,078,490 - Describes a specific circuit used to produce PulseAgile waveforms. This is nto a useful patent because there are many circuits that can produce these types of waveforms.**

**US Patent 6,603,998 - This application describes a DNA vaccination delivery system.**

**Canada SN 2,372,406 - This application describes a DNA vaccination delivery system.**

**Europe EP 1,163,024 - This application describes a DNA vaccination delivery system. (abandoned)**

**China SN 00805450.9 - This application describes a DNA vaccination delivery system.**

**Japan 4499295 - This patent describes a DNA vaccination delivery system.**

**US 6916656 - This application describes a method to Electrofuse cells using an efficient voltage waveform. The waveform changes with time in a non-linear manner over time.**

**Canada SN 2,458,610 - This application describes a method to Electrofuse cells using an efficient voltage waveform. The waveform changes with time in a non-linear manner over time.**

**Europe 1,472,358 - This application describes a method to Electrofuse cells using an efficient voltage waveform. The waveform changes with time in a non-linear manner over time.**

**China ZL02820027.6 - This application describes a method to Electrofuse cells using an efficient voltage waveform. The waveform changes with time in a non-linear manner over time.**

**Japan 4,217,618** - This application describes a method to Electrofuse cells using an efficient voltage waveform. The waveform changes with time in a non-linear manner over time.

**US 6,713,291** - This patent covers microneedle arrays that are coated with dried DNA. It is a DNA vaccine delivery system.

**Canada SN 2,452,488 - US 6,713,291** - This patent covers microneedle arrays that are coated with dried DNA. It is a DNA vaccine delivery system.

**US 10/510,710** - This application describes a method to keep the electric field lines, between rows of electrodes, pointing in the same direction. It is not currently in use by any Cyto Pulse system.

**Canada 2,482,183** - This application describes a method to keep the electric field lines, between rows of electrodes, pointing in the same direction. It is not currently in use by any Cyto Pulse system.

**Europe 1,494,752** - This patent describes a method to keep the electric field lines, between rows of electrodes, pointing in the same direction. It is not currently in use by any Cyto Pulse system. (abandoned)

**China ZL03813164.1** - This application describes a method to keep the electric field lines, between rows of electrodes, pointing in the same direction. It is not currently in use by any Cyto Pulse system.

**Japan 203-585797** - This application describes a method to keep the electric field lines, between rows of electrodes, pointing in the same direction. It is not currently in use by any Cyto Pulse system.

**US 10/537,254** - This application describes a method to electroporate large numbers of cells at the same time. It specifically describes a method of determining electroporation chamber dimensions using a mathematical formula, medium conductivity and total chamber resistance.

**Canada 2,519,065** - This application describes a method to electroporate large numbers of cells at the same time. It specifically describes a method of determining electroporation chamber dimensions using a mathematical formula, medium conductivity and total chamber resistance.

**Europe 04720783** - This application describes a method to electroporate large numbers of cells at the same time. It specifically describes a method of determining electroporation chamber dimensions using a mathematical formula, medium conductivity and total chamber resistance.

**China 204 80012680.3** - This application describes a method to electroporate large numbers of cells at the same time. It specifically describes a method of determining electroporation chamber dimensions using a mathematical formula, medium conductivity and total chamber resistance.

**Japan 2006 508798** - This application describes a method to electroporate large numbers of cells at the same time. It specifically describes a method of determining electroporation chamber dimensions using a mathematical formula, medium conductivity and total chamber resistance.

**US 6,878,538** - This application describes an apparatus that connects the 96 pairs of parallel plate ex vivo electrodes in an array to a pulse waveform generator.

**US 7,371,561** - This application describes a reusable array of 96 pairs of parallel plate electrodes which is inserted into a standard 96 well microplate to perform 96 electroporation experiments simultaneously.

**Canada 2,546,545** - This application describes a method to Electrofuse cells using an efficient electrode chamber. It is the chamber used with the Hybrimmune system.

**Europe 3783323.3** - This application describes a method to Electrofuse cells using an efficient electrode chamber. It is the chamber used with the Hybrimmune system.

**China ZL 2003 80110771.6 - This application describes a method to Electrofuse cells using an efficient electrode chamber. It is the chamber used with the Hybrimmune system.**

**Japan 2010 509365 - This application describes a method to Electrofuse cells using an efficient electrode chamber. It is the chamber used with the Hybrimmune system.**

**PCT US2006/024076 - PSA prostate cancer vaccine. Includes national state applications United States 11/922.363, Canada 2612225, Europe 6785237.6 (abandoned), China 2006 80030353, Japan 2008 218341.**

**PCT US2008/006442, Fast PA. This is an application to cover an electroporation waveform similar to the Pulse Agile waveform described earlier. It adds the ability to deliver those waveforms at a more rapid rate. Includes national stage applications; United States 12/451,536, Canada 2,684,134 (provisionally abandoned)**

**PCT US2009/005753, DAI. This is an application for a vaccine adjuvant.**

**Provisional application US 61/395,267. This is an application for a chamber for mixing material for electroporation in a large volume.**

**Exclusive License Agreement between Cyto Pulse and Alphavax, Inc. dated May 28, 2008.**

**Production System License Agreement between Cyto Pulse and NovImmune SA dated October 1, 2008.**

**Derma Vaz In Vivo Electroporation System License Agreement Between Cyto Pulse and The Chancellor, Masters and Scholars of the University of Oxford dated March 30, 2009.**

**Oncovet in Vivo Electroporation System License Agreement between Cyto Pulse and Aldevron, LLC dated February 1, 2008.**

**OnCovet In Vivo Electroporation System License Agreement between Cyto Pulse and Amgen, Inc. dated February 5, 2009.**

**Oncovet In Vivo Electroporation System License Agreement between Cyto Pulse and Statens Serum Institute January 15, 2010.**

**Oncovet In Vivo Electroporation System License Agreement between Cyto Pulse and Statens Serum Institute dated September 22, 2008**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Acceleron Pharam, Inc. dated April 28, 2009**

**Electrofusion License Agreement between Cyto Pulse and Amgen, Inc. dated May 9, 2006**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and DaiichiSankyo Co., Ltd. dated October 19, 2007.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Galaxy Biotech, LLC dated August 10, 2007.**

**Electrofusion License Agreement between Cyto Pulse and Genentech dated January 20, 2006.**

**License Agreement between Cyto Pulse and Genmab, BV dated June 3, 2004.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Novartis Institute for Functional Genomics, Inc. d/b/a the Genomics Institute of teh Novartis Research Foundation dated June 29, 2007.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and GlaxoSmith Kline Research & Development Limited dated September 21, 2009.**

**Electrofusion License Agreement between Cyto Pulse and Mapp Biopharmaceutical, Inc. dated June 12, 2006**

**Electrofusion Evaluation and License Agreement between Cyto Pulse and Morphotek, Inc. dated June 18, 2004.**

**Electrofusion License Agreement between Cyto Pulse and TAKeda Pharmaceutical Company dated July 7, 2006.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and ZymoGenetics, Inc. dated November 27, 2006.**

**Electrofusion License Agreement between Cyto Pulse and OncoMed Pharmaceuticals, Inc. dated June 30, 2006.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Diosynth RTP, Inc. dated May 15, 2008.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Roche Diagnostics GmbH dated January 29, 2009.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Rockland Immunochemicals, Inc. dated November 10, 2008.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Regeneron Pharmaceuticals, Inc. dated May 9, 2007.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Regeneron Pharmaceuticals, Inc. dated March 18, 2010.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Santa Cruz Biotechnology, Inc. dated September 18, 2007**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Santa Cruz Biotechnology, Inc. dated October 17, 2008.**

**Hybrimune Electrofusion System License Agreement between Cyto Pulse and Spaltudaq Corporation dated August 19, 2008.**

**Electrofusion License Agreement between Cyto Pulse and DNAX Research, Inc. dated September 28, 2005**

**Electrofusion License Agreement between Cyto Pulse and TAKeda Pharmaceutical Company dated July 7, 2006.**

**Electrofusion License Agreement between Cyto Pulse and ZymoGenetics, Inc. dated November 27, 2006.**

<b>Category</b>	<b>Qty</b>	<b>Manufacturer</b>	<b>Model</b>	<b>Description</b>
Bag Sealer	1	Rennco	LS	Lift seal machine. Bag sealer.
Bio Freezers & Cryo Storage	1	Revco	Ultima II	Bio freezer, -80°C. Model ULT1786-9-A37.
Bio Freezers & Cryo Storage	1	Revco	Ultima II	Bio freezer, -80°C. Model ULT1786-9-A37.
Bio Freezers & Cryo Storage	1	Thermolyne	Locator JR Plus	Cryo Biological Storage Container w/ Liquid Nitrogen monitor.
Bio Freezers & Cryo Storage	1	Thermolyne	Locator 4 Plus	Cryo Biological Storage Container w/ Liquid Nitrogen monitor.
Bio Safety Cabinets	1	The Baker Company	Sterilgard III Advance	Class II Biological Safety Cabinet. Model SG403A. (2006).
Bio Safety Cabinets	1	The Baker Company	Sterilgard III Advance	Class II Biological Safety Cabinet. Model SG403. (2001).
Centrifuges	1	Eppendorf	5424	Benchtop centrifuge. Includes 15,000 rpm rotor
Centrifuges	1	Thermo	Centra GP8R Legend Mach	Refrigerated centrifuge.
Centrifuges	1	Thermo (Sorvall)	1.6R	Easysset refrigerated centrifuge (2006).
Cyto Pulse Products	1	Cyto Pulse	CEEF-50B	Waveform generator, Hybridoma Production System.
Cyto Pulse Products	1	Cyto Pulse	Cyto LVT-P	Large volume transfection system, Developmental Test Bed.
Cyto Pulse Products	1	Cyto Pulse	PA-4000	Four Parameter PulseAgile Electroporation System.
Cyto Pulse Products	1	Cyto Pulse	PA-301	Pulse Booster.
Cyto Pulse Products	1	Cyto Pulse	PA-201	Programmable Pulse Switch.
Cyto Pulse Products	1	Cyto Pulse	PA-96W	Programmable 96 Well Driver.
Cyto Pulse Products	2	Cyto Pulse (Demo Equip)	Onco-Vet	Veterinary Electroporation System.
FF&E	1	Canon	Faxphone L80	Super G3 Fax Machine.
FF&E	1	Dell	Inspiron 5150	Laptop computer.
FF&E	1	Dell	2300 MP	DLP Projector w/ carrying case.
FF&E	1	Panasonic	KX-FL501	Laser Fax & Copier.
FF&E	1	Polycom	Sound Station	Conferencing System.
FF&E	10	Steelcase		Modular Workstations.
FF&E	3			Lab chairs.
FF&E	5			storage shelves.
FF&E	3			Powered workbenches.
FF&E	5			work tables.
FF&E	8			Office Tasking Chairs.
FF&E	5			Executive Chairs.

FF&E	6			Laserjet & Inkjet printers.
FF&E	7			Lateral File Cabinets.
FF&E	3			Modular Office Desks.
FF&E	1			8 Ft. Conference Table, Formica Top.
FF&E	4			Assorted Inkjet, Laserjet printers.
Flow Cytometer	1	Beckman Coulter	Cell Lab Quanta SC	Flow cytometer (2006) includes Cell Lab Quanta MPL (multi platform loader) unit, PC controlled
Glassware	1	Kimble	20 Liter	Kimax glassware.
Incubators	1	Products)	Sterrad 58°C	Incubator, benchtop.
Incubators	1	Fisher Scientific		Dry Bath Incubator w/ dual temperature
Incubators	1	Fisher Scientific	625 D	Isotemp Incubator.
Incubators	1	Memmert	IPP 300	Standard Delivery Peltier Cooled Incubator, Benchtop, stainless steel.
Incubators	1	New Brunswick		
Incubators	1	Scientific	Excella 24	Incubator Shaker series.
Incubators	1	Sanyo	MCO-17AIC	CO2 Incubator. 164 Liter effective capacity.
Inspection	1	Nova	XF-32 TRITC	"Rhodamine" Microscope w/ Nova HBO100 light source & power supply. XF-52 Multiband
Inspection	1	Olympus Tokyo		Microscope w/ light source.
IT	10	Dell	Optiplex GX 520	Computers.
IT	10	Dell		17" Flat Panel Displays.
Lab Refrigerators	1	GE		Lab refrigerator.
Lab Refrigerators	1	Hotpoint		Lab refrigerator.
Lab Scales	1	Denver		
Lab Scales	1	Instruments	S-4001	Lab scale, max. 4000g.
Lab Scales	1	Ohaus	Voyager	Lab scale, max. 410g. Model #S46725.
Microplate Reader	1	Perkin Elmer	Victor 3	Model # 1420-032 Multilabel Counter. Wallac built microplate reader.
Miscellaneous	3			Modular trade show booth containers w/ contents.
Mixers, Stirrers,		Barnstead		
Water Baths	1	International	Maxi Mix	Model # M37615 Lab mixer, variable speed control, type 37600.
Mixers, Stirrers,				
Water Baths	1	Fisher Scientific	Isotemp 205	Circulating, heated water bath.
Mixers, Stirrers,				
Water Baths	1	Thermolyne	Cimarec	Hot plate/ Stirrer, variable speed.



Molecular Imaging	1	Kodak	Gel Logic 1500	Molecular Imaging System. Transilluminator. An advanced and versatile system for imaging a wide array of samples including chemiluminescent, fluorescent, and chromogenic gels, blots, and Modular Clean Room System, 16 ft. x 15 ft. and a 6 ft. x 8 ft. air lock enclosure. Includes (16) AES Clean Technology Inc. hepa filter units, model # H2347E55-BAABCBK, size 23 -5/8" x 47 .
Of Special Interest	1	Simplex Isolation Systems BrandTech		
Pipettes	1	Scientific BrandTech	Transferpette-12	12 channel pipette, 20 -200µl
Pipettes	1	Scientific	Transferpette-8	8 channel pipette, 10-100µl.
Pipettes	1	Fisherbrand	e10	Digital pipette, 0.2 - 10µl.
Pipettes	9	Gilson	Pipetman	Pipettes. Sets of assorted pipettes, 1-10µl, 10-100µl, 30 - 300µl, 100 - 1000µl with holder.
Pipettes	2	Thermo Applied Biosystems	Finnpipette	
Real Time PCR System	1	Integrated Dispensing Solutions	7300	Real Time PCR system (2007). Lot: Robotic liquid dispensing system. Includes Fisnar I & J 2400-4 dispenser, Stocker Yale Mille Luce M 1000 fiber optic light source, Paxcam PS-Circular saw.
Robotic Liquid Dispensing	1	Black & Decker	2 1/8 HP	12 Speed Drill Press, pedestal type.
Shop Equipment	1	Grizzly	MT2	Hand tools.
Shop Equipment	1			Gold flow, reflow solder batch oven, conveyor type.
Solder Reflow Conveyor Oven	1	APS	GF-B	
Soldering	3	Metcal ASP (Advanced Sterilization Products)	SP 200	Soldering Station.
Sterilizers	1	Yamato	Sterrad 50	Sterilizer. Includes accessories. Ref # 1050.
Sterilizers	1		SM510	Sterilizer. Phone cabinet, Model 103B, includes: (3) 206E modules R 3.1, (1) Processor module R 3.0, spare cabinet Model 103B8 includes: (1) Partner II module, (1) Partner Plus module, (1)
Telecom & IT	1	AT&T	Partner Plus Power Connect	
Telecom & IT	1	Dell	2624	24 Port Switch.
Telecom & IT	1	Super Micro		Server.
Telecom & IT	1	Syber Power	1500 AVR	UPS system.
Telecom & IT	1	Verizon	SFH ONT 611	Phone cabinet.

Test & Measurement	1	Agilent	34970A	Data Acquisition Unit.
Test & Measurement	1	Fisher Scientific	Accumet AR50	Dual Channel pH/Ion/ Conductivity meter.
Test & Measurement	1	Fluke	179	True RMS Multimeter.
Test & Measurement	1	Fluke	73	Series II multimeter.
Test & Measurement	2	Global Specialties	4001	Pulse Generator.
Test & Measurement	1	HP	8590A	Spectrum Analyzer, 1 Mhz - 1.5 Ghz.
Test & Measurement	1	Tektronix	TDS 1002	2 Channel digital storage oscilloscope, 60 Mhz 1Gs/s.
Test & Measurement	1	Tektronix	TDS 1012B	2 Channel digital oscilloscope, 100 Mhz.
Test & Measurement	1	Tektronix	TDS 1002	2 Channel digital storage oscilloscope, 60 Mhz.
Test & Measurement	1	Tektronix	TDS 220	2 Channel digital real time oscilloscope, 100 Mhz.,
Measurement	1	Vitrek	V4	AC/DC/1R/GB Electrical Safety Analyzer.
Thermal Cyclers	1	Thermo	BioMate 3	Thermal Cycler.
Thermal Cyclers	1	Thermo	Px 2	Thermal Cycler.
Varistaltic Pump	1	Manostat	Simon	Varistaltic pump, model # 72-310-000 w/ variable flow speed.
Water Purification	1	Aqua Solutions	RODI-C-11BL	Water Purification System w/ Amtrol RO unit. Includes circulation pump, UV lamp, and ultra