# **Medtronic Patents**

Matching "Medtronic" by Owner.



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# Alerts

## "Medtronic"

394 results matching "Medtronic" by Owner.

Number	Title	Owner
2002303589	TRANSCUTANEOUS MONITOR AND METHOD OF USE, USING THERAPEUTIC OUTPUT FROM AN IMPLANTED MEDICAL DEVICE	MEDTRONIC,INC.
2002303276	SYSTEM FOR THE PRODUCTION OF AUTOLOGOUS PLATELET GEL	MEDTRONIC, INC.
2002303522	METHOD AND SYSTEM FOR ORGAN POSITIONING AND STABLIZATION	MEDTRONIC, INC.
2002303677	SURGICAL TRIMMING TOOL AND TOOL FOR TENSIONING A CRANIALFLAP CLAMP	MEDTRONIC, INC.
2002305313	IMPLANTABLE MEDICAL DEVICE AND PATCH SYSTEM AND METHOD OF USE	MEDTRONIC,INC.
2002305157	FLEXIBLE CENTRIFUGE BAG AND METHODS OF USE	MEDTRONIC, INC.
2002305374	STIMULATION APPARATUS	MEDTRONIC, INC.
2002307138	MICRONCENTRIFUGE AND DRIVE THEREFOR	MEDTRONIC, INC.
2002308550	SURGICAL INSTRUMENT AND ATTACHMENT	MEDTRONIC, INC.
2002312064	IMPLANTABLE MEDICAL DEVICE WITH CONTROLLABLE GASEOUS AGENT RELEASE SYSTEM	MEDTRONIC, INC.
2002315484	LUBRICATION CARTRIDGE FOR A PNEUMATICALLY POWERED SURGICAL INSTRUMENT	MEDTRONIC, INC. D/B/A MEDTRONIC MIDAS REX
2002313390	An anchorable guidewire system	Medtronic AVE
2002316047	RADIOFREQUENCY ABLATION SYSTEM AND METHOD OF USE	MEDTRONIC, INC.
2002323574	ELECTRONIC LEAD FOR A MEDICAL IMPLANT DEVICE, METHOD OF MAKING SAME, AND METHOD AND APPARATUS FOR INSERTING SAME	MEDTRONIC MINIMED, INC.
2002323575	A SYSTEM AND METHOD FOR PROVIDING CLOSED LOOP INFUSION FORMULATION DELIVERY	MEDTRONIC MINIMED, INC.
2002323576	SENSING APPARATUS AND PROCESS	MEDTRONIC MINIMED, INC.
2002324869	INFUSION DEVICE AND DRIVING MECHANISM FOR SAME	MEDTRONIC MINIMED, INC.
2002234121	DRUG MANAGEMENT TECHNIQUES FOR AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2002241719	THERAPY MANAGEMENT TECHNIQUES FOR AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2002243347	NON-CONFORMANCE MONITORING AND CONTROL TECHNIQUES FOR AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.

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Number	Title	Owner
2002220075	HYDROPHILIC POLYMERIC MATERIAL FOR COATING BIOSENSORS	MEDTRONIC MINIMED, INC.
2002326831	INFUSION DEVICE AND INLET STRUCTURE FOR SAME	MEDTRONIC MINIMED, INC.
2002327169	INSERTION DEVICE FOR AN INSERTION SET AND METHOD OF USING THE SAME	MEDTRONIC MINIMED, INC.
2002327774	METHOD FOR FORMULATING AND IMMOBILIZING A PROTEIN MATRIX AND A PROTEIN MATRIX FOR USE IN A SENSOR	MEDTRONIC MINIMED, INC.
2002327775	STERILE DEVICE AND METHOD FOR PRODUCING SAME	MEDTRONIC MINIMED, INC.
2002329973	BLOOD CENTRIFUGE WITH EXTERIOR MOUNTED, SELF-BALANCING COLLECTION CHAMBERS	MEDTRONIC,INC.
2002329964	SAFETY LIMITS FOR CLOSED-LOOP INFUSION PUMP CONTROL	MEDTRONIC MINIMED, INC.
2002329752	Flexible inner tubular member and rotary tissue cutting instrument having flexible inner tubular member	Medtronic Xomed, Inc.
2002245154	PATIENT SCHEDULING TECHNIQUES FOR AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2002246701	POLYMERIC MATERIALS WITH IMPROVED DIELECTRIC BREAKDOWN STRENGTH	MEDTRONIC, INC.
2002331796	SENSOR SUBSTRATE AND METHOD OF FABRICATING SAME	MEDTRONIC MINIMED, INC.
2002248312	IMPLANTABLE MEDICAL DEVICE WITH SENSOR	MEDTRONIC, INC.
2002332800	Implantable medical device for treating cardiac mechanical dysfunction by electrical stimulation	MEDTRONIC, INC.
2002332816	IMPLANTABLE INFUSION DEVICE AND RESERVOIR FOR SAME	MEDTRONIC MINIMED, INC.
2002332836	STABILIZING CATHETER FOR PROTEIN DRUG DELIVERY	MEDTRONIC MINIMED, INC.
2002332837	BARRIER CATHETER APPARATUS AND METHOD	MEDTRONIC MINIMED, INC.
2002242153	IMPLANTABLE THERAPY DELIVERY ELEMENT ADJUSTABLE ANCHOR	MEDTRONIC, INC.
2002251819	METHOD FOR COATING MEDICAL DEVICE SURFACES	MEDTRONIC, INC.
2002337743	METHOD FOR FORMULATING A GLUCOSE OXIDASE ENZYME WITH A DESIRED PROPERTY OR PROPERTIES AND A GLUCOSE OXIDASE ENZYME WITH THE DESIRED PROPERTY	MEDTRONIC MINIMED, INC.
2002337757	IMPLANTABLE SENSOR ELECTRODES AND ELECTRONIC CIRCUITRY	MEDTRONIC MINIMED, INC.
2002243833	IMPROVED INFUSION DEVICE MENU STRUCTURE AND METHOD OF USING THE SAME	MEDTRONIC MINIMED, INC.
2002251944	POLYMERS FUNCTIONALIZED WITH FLUORESCENT BORONATE AND METHODS FOR MAKING THEM	MEDTRONIC MINIMED, INC.
2002342006	IMPLANTABLE NEUROLOGICAL LEAD WITH LOW POLORIZATION ELECTRODE	MEDTRONIC,INC.

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2002341931	PATIENT DIRECTED THERAPY MANAGEMENT	MEDTRONIC, INC.
2002339872	INFUSION DEVICE AND DRIVING MECHANISM FOR SAME	MEDTRONIC MINIMED, INC.
2002341593	ELECTRONIC CONTROL SYSTEM AND PROCESS FOR ELECTROMAGNETIC PUMP	MEDTRONIC MINIMED, INC.
2002343567	METHOD AND SYSTEM FOR NONVASCULAR SENSOR IMPLANTATION	MEDTRONIC MINIMED INC.
2002342286	ENHANCED INTERFACE FOR A MEDICAL DEVICE AND A TERMINAL	MEDTRONIC PHYSIO-CONTROL MANUFACTURING CORP.
2002343697	Method of expressing lim mineralization protein in non-osseous cells	MEDTRONIC SOFAMOR DANEK
2002239905	NEEDLE SAFE TRANSFER GUARD	MEDTRONIC MINIMED, INC.
2002248464	STABILIZED INSULIN FORMULATIONS	MEDTRONIC MINIMED, INC.
2002346061	APPARATUS AND METHOD FOR CREATING, MAINTAINING, AND CONTROLLING AVIRTUAL ELECTRODE USED FOR THE ABLATION OF TISSUE	MEDTRONIC, INC.
2002344731	METHODS OF EVALUATING PROTEIN FORMULATION STABILITY AND SURFACTANT-STABILIZED INSULIN FORMULATIONS DERIVED THEREFROM	MEDTRONIC MINIMED, INC.
2002247272	STIMULATION FOR DELIVERY OF MOLECULAR THERAPY	MEDTRONIC, INC.
2002347889	RESPIRATORY ANALYSIS WITH CAPNOGRAPHY	MEDTRONIC PHYSIO-CONTROL CORP.
2002348418	DEFIBRILLATOR POWER SOURCE WITH REPLACEABLE AND RECHARGEABLE POWER PACKS	MEDTRONIC PHYSIO-CONTROL CORP.
2002250255	LEAD WITH ADJUSTABLE ANGULAR AND SPATIAL RELATIONSHIPS BETWEEN ELECTRODES	MEDTRONIC, INC.
2002351284	METHOD AND APPARATUS FOR RADIOFREQUENCYTISSUE ABLATION	MEDTRONIC, INC.
2002351308	PULSE DETECTION METHOD AND APPARATUS USING PATIENT IMPEDANCE	MEDTRONIC PHYSIO CONTROL MANUFACTURING CORP.
2002247107	IMPLANTABLE THERAPEUTIC SUBSTANCE INFUSION DEVICE WITH ACTIVE LONGEVITY PROJECTION	MEDTRONIC, INC.
2002254266	CLOSED LOOP DRUG DELIVERY SYSTEM AND REMOTE MANAGEMENT THEREOF	MEDTRONIC, INC.
2002254324	SURGICAL ROTARY CUTTING INSTRUMENT WITH QUICK RELEASE COUPLING	MEDTRONIC, INC.
2002357310	MEDICAL LEAD AND LEAD CONNECTOR SYSTEM	MEDTRONIC,INC.
2002357351	IMPLANTABLE MEDICAL DEVICE AND METHOD FOR MANUFACTURING THE SAME	MEDTRONIC,INC.
2002357218	LOW-PROFILE MOUNTING CLIP FOR PERSONAL DEVICE	MEDTRONIC MINIMED, INC.
2002357893	MEDICAL LEAD ADAPTOR ASSEMBLY WITH RETAINER	MEDTRONIC,INC.
2002359765	CONNECTION SYSTEM FOR A MULTI- POLAR LEAD	MEDTRONIC,INC.

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2002360671	RHYTHM-BASED TRANSITION TO DISCRIMINATORY ARRYTHMIA CLASSIFICATION	MEDTRONIC,INC.
2002357808	METHOD AND SYSTEM FOR TREATMENT OF ATRIAL TACHYARRHYTHMIAS	MEDTRONIC, INC.
2002359388	COMPOUNDS CONTAINING QUATERNARY CARBONS, MEDICAL DEVICES, AND METHODS	MEDTRONIC, INC.
2002357792	ROTATIONAL HOLSTER FOR AN ELECTRONIC DEVICE	MEDTRONIC MINIMED, INC.
2002359704	IMPLANTABLE SENSOR FLUSH SLEEVE	MEDTRONIC MINIMED, INC.
2002360634	SYSTEM FOR MONITORING PHYSIOLOGICAL CHARACTERISTICS	MEDTRONIC MINIMED, INC.
2002256086	METHODS OF ISOLATING BLOOD COMPONENTS USING A MICROCENTRIFUGE AND USES THEREOF	MEDTRONIC, INC.
2002362082	APPARATUS AND METHOD FOR PERFORMING SURGERY ON A PATIENT	MEDTRONIC,INC.
2003202924	VARIATION OF NEURAL-STIMULATION PARAMETERS	MEDTRONIC, INC.
2003202992	SYSTEM AND METHOD OF PERFORMING AN ELECTROSURGICAL PROCEDURE	MEDTRONIC,INC.
2002361754	CIRCUIT PACKAGE AND METHOD FOR MAKING THE SAME	MEDTRONIC PHYSIO-CONTROL MANUFACTURING CORP.
2002217908	IMPLANTABLE THERAPEUTIC SUBSTANCE DELIVERY DEVICE HAVING A PISTON PUMP WITH AN ANTICAVITATION VALVE	MEDTRONIC, INC.
2002240333	LOW PROFILE INLET VALVE FOR A PISTON PUMP THERAPEUTIC SUBSTANCE DELIVERY DEVICE	MEDTRONIC, INC.
2002243372	IMPLANTABLE MEDICAL DEVICE WITH RECHARGEABLE THIN-FILM MICROBATTERY POWER SOURCE	MEDTRONIC, INC.
2002243950	CONTROL OF EXTERNALLY INDUCED CURRENT IN AN IMPLANTABLE PULSE GENERATOR	MEDTRONIC, INC.
2002246531	PERMANENT MAGNET SOLENOID PUMP FOR AN IMPLANTABLE THERAPEUTIC SUBSTANCE DELIVERY DEVICE	MEDTRONIC, INC.
2002256279	ASPIRATION CATHETERS AND METHOD OF USE	MEDTRONIC PERCUSURGE, INC.
2002242151	LOW IMPEDANCE IMPLANTABLE EXTENSION FOR A NEUROLOGICAL ELECTRICALSTIMULATOR	MEDTRONIC, INC.
2002237762	DELIVERY CATHETER WITH MOCROPOROUS MEMBRANE TO TREAT BRAIN AND OTHER TUMORS	MEDTRONIC, INC.
2002241815	METHOD AND APPARATUS FOR FIXATION OF AN IMPLANTABLE STIMULATION LEAD	MEDTRONIC, INC.
2002239979	METHOD AND APPARATUS FOR PROGRAMMING AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003207543	OPERATIONAL AMPLIFIER HAVING IMPROVED INPUT OFFSET PERFORMANCE	MEDTRONIC, INC

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2002364744	AUTOMATIC RATE RESPONSIVE SENSOR MODE SWITCH	MEDTRONIC,INC.
2003205074	ELONGATED MEDICAL INSTRUMENT	MEDTRONIC,INC.
2003209091	OCCLUDING AND STABLIZING MEDICAL DEVICE	MEDTRONIC,INC.
2003209171	NEUROSTIMULATION LEAD STYLET HANDLE	MEDTRONIC, INC.
2002255999	MULTIPLEXED ELECTRODE ARRAY EXTENSION	MEDTRONIC, INC.
2003212423	SHAPE MEMORY ALLOY WIRE DRIVEN POSITIVE DISPLACEMENT MICROPUMP WITH PULSATILE OUTPUT	MEDTRONIC MINIMED, INC.
2003213739	FLEXIBLE ANNULOPLASTY PROSTHESIS AND HOLDER	MEDTRONIC, INC.
2003214191	IMPLANTABLE MEDICAL DEVICE STREAM PROCESSOR	MEDTRONIC, INC.
2003214196	OPTICAL COPMMUNICATION OF NEUROSTIMULATION-SYSTEM INFORMATION	MEDTRONIC, INC.
2003218054	AUTOMATED IMPEDANCE MEASUREMENT OF AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003220194	HEART VALVE FIXATION PROCESS AND APPARATUS	MEDTRONIC, INC.
2003220312	PATIENT CONTROLLED ACTIVATION WITH IMPLANTABLE DRUG DELIVERY DEVICES	MEDTRONIC, INC.
2003220359	ELECTROCHEMICAL CELL WITH REDUCED HEIGHT FILLPORT	MEDTRONIC, INC.
2003220507	PROGRAMMABLE WAVEFORM PULSES FOR AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003220543	RECHARGE DELAY FOR AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003220390	MEDICAL DEVICES FOR DELIVERING ANTI- PROLIFERATIVE COMPOSITIONS TO ANATOMICAL SITES AT RISK FOR RESTENOSIS	MEDTRONIC AVE INC.
2003213613	MULTILUMEN CATHETER	MEDTRONIC MINIMED, INC.
2003219939	SELF SEALING FLUID COUPLING	MEDTRONIC MINIMED, INC.
2003231143	IMPROVED SURGICAL LEAD PADDLE	RACZ, Gabor; MEDTRONIC, Inc.
2002365890	TECHNIQUES FOR TREATING NEURODEGENERATIVE DISORDERS BY BRAIN INFUSION OF MUTATIONAL VECTORS	MEDTRONIC, INC. ; REGENTS OF THE UNIVERSITY OF MINNESOTA
2003228287	AMPLITUDE RAMPING OF WAVEFORMS GENERATED BY AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003228462	MULTIPORT NEUROLOGICAL SCREENING CABLE	MEDTRONIC, INC.
2003230618	DEVICE TELEMETRY MODULE WITH CONFIGURABLE PHYSICAL LAYER FOR USE WITH AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003230631	APPARATUS FOR TEMPORARILY ENGAGING BODY TISSUE	MEDTRONIC, INC.

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Number	Title	Owner
2003231011	INDEPENDENT THERAPY PROGRAMS IN AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003231087	CAPTURE MANAGEMENT IN MULTISITE PACING	MEDTRONIC, INC.
2003228741	REAL TIME SELF-ADJUSTING CALIBRATION ALGORITHM	MEDTRONIC MINIMED, INC.
2003228464	APPARATUS FOR TREATMENT OF MENIERE'S DISEASE	MEDTRONIC XOMED, INC.
2003228465	APPARATUS FOR DIRECTLY DISPLACING THE PARTITION BETWEEN THE MIDDLE EAR AND INNER EAR AT AN INFRASONIC FREQUENCY	MEDTRONIC XOMED, INC.
2003221737	VENTRICULAR RATE STABLIZATION	MEDTRONIC, INC.
2003221818	IMPLANTABLE MEDICAL CATHETER HAVING REINFORCED SILICONE ELASTOMER COMPOSITION	MEDTRONIC, INC.
2003222067	SYSTEM FOR DELIVERY OF THERAPEUTIC SUBSTANCES	MEDTRONIC, INC.
2003222175	SYSTEM, METHOD AND APPARATUS FOR REGULATING VACUUM SUPPLIED TO SURGICAL TOOLS	MEDTRONIC, INC.
2003222633	IMPLANTABLE INFUSION DEVICE WITH OPTIMIZED PERISTALTIC PUMP MOTOR DRIVE	MEDTRONIC, INC.
2003222651	Detection of possible failure of capacitive elements in an implantable medical device	Medtronic, Inc.
2003222652	INSULIN-MEDICATED GLUCLOSE UPTAKE MONITOR	MEDTRONIC, INC.
2003222663	CARDIAC RESYNCHRONIZATION WITH ADAPTIVE A1-A2 AND/OR V1-V2 INTERVALS	MEDTRONIC, INC.
2003222665	CARDIAC RESYNCHRONISATION WITH ADAPTIVE A1-A2 AND/OR V1-V2 INTERVALS	MEDTRONIC, INC.
2003222666	IMPLANTABLE DRUG DELIVERY SYSTEM RESPONSIVE TO INTRACARDIAC PRESSURE	MEDTRONIC, INC.
2003223230	CURRENT-TO-VOLTAGE CONVERTER	MEDTRONIC, INC.
2003223678	IMPLANTABLE LEAD WITH COPLANAR CONTACT COUPLING	MEDTRONIC, INC.
2003223679	IMPLANTABLE LEAD WITH IMPROVED DISTAL TIP	MEDTRONIC, INC.
2003223706	VENTRICULAR SAFETY PACING IN BIVENTRICULAR PACING	MEDTRONIC, INC.
2003224659	DATA MANAGEMENT OF PATIENT MEDICAL INFORMATION FOR USE WITH AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003224993	ELECTRICAL STIMULATION AND THROMBOLYTIC THERAPY	MEDTRONIC, INC.
2003225064	SEAMLESS COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE SYSTEM	MEDTRONIC, INC.
2003225106	IMPLANTABLE LEAD WITH ISOLATED CONTACT COUPLING	MEDTRONIC, INC.
2003225707	TELEMETRY MODULE WITH CONFIGURABLE DATA LAYER FOR USE WITH AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.

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2003225841	IMPLANTABLE MEDICAL DEVICE FAST MEDIAN FILTER	MEDTRONIC, INC.
2003226028	AUTOMATIC WAVEFORM OUTPUT ADJUSTMENT FOR AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2002366512	SELECTIVE POTTING FOR CONTROLLED FAILURE AND ELECTRONIC DEVICES EMPLOYING THE SAME	MEDTRONIC MINIMED, INC.
2002366813	CARDIAC PACING METHOD AND SYSTEM	MEDTRONIC,INC.
2003233546	IMPLANTABLE INFUSION DEVICE WITH MOTOR CONNECTION AND SEAL SYSTEM	MEDTRONIC, INC.
2003234193	ULTRASOUND METHODS AND IMPLANTABLE MEDICAL DEVICES USING SAME	MEDTRONIC, INC.
2002366794	MEDICATION DELIVERY SYSTEM AND MONITOR	MEDTRONIC MINIMED, INC.
2002367273	VARIABLE LENGTH FLEXIBLE CONDUIT FEEDER	MEDTRONIC MINIMED, INC.
2002367599	IMD LEAD STATUS MONITOR METHOD AND SYSTEM	MEDTRONIC,INC.
2003239814	IMPLANTABLE MEDICAL DEVICE INCLUDING A SURFACE-MOUNT TERMINAL ARRAY	MEDTRONIC,INC.
2003237443	SURGICAL TOOL FOR ENGAGEMENT OF BODY TISSUE	MEDTRONIC, INC.
2003239794	FLUID-ASSISTED ELECTROSURGICAL INSTRUMENT WITH SHAPEABLE ELECTRODE	MEDTRONIC, INC.
2003243520	CENTRIFUGE SYSTEM UTILIZING DISPOSABLE COMPONENTS AND AUTOMATED PROCESSING OF BLOOD TO COLLECT PLATELET RICH PLASMA	MEDTRONIC, INC.
2003241388	IMMUNOPROTECTIVE METHODS FOR BETA CELL NEOGENESIS	MEDTRONIC MINIMED, INC.
2003239361	CUSTOMIZATION OF MEDICAL DEVICE	MEDTRONIC PHYSIO-CONTROL CORP.
2003243211	USER INTERFACE METHOD AND APPARATUS FOR A MEDICAL DEVICE	MEDTRONIC PHYSIO-CONTROL CORP.
2003236551	DEFIBRILLATOR POWER MANAGEMENT SYSTEMS AND CORRESPONDING DEFIBRILLATOR STORAGE METHODS	MEDTRONIC PHYSIO-CONTROL MANUFACTURING CORPORATION
2002220258	METHOD AND SYSTEM FOR MYOCARDIAL INFARCTION REPAIR	MEDTRONIC, INC.
2003244368	METHOD AND APPARATUS FOR DETECTING FAULTS ON INTEGRATED CIRCUITS	MEDTRONIC,INC.
2003247674	SUTURING RING FOR IMPLANTABLE HEART VALVE PROSTHESES	MEDTRONIC, INC.
2003251506	MULTIPLE RATIO FLUID DISPENSER	MEDTRONIC, INC.
2003252047	MEDICAL DEVICES COMPRISING A PROTEIN-TYROSINE KINASE INHIBITOR TO INHIBIT RESTONOSIS	MEDTRONIC AVE INC.
2003252104	SYSTEM FOR PROVIDING BLOOD GLUCOSE MEASUREMENTS TO AN INFUSION DEVICE	MEDTRONIC MINIMED, INC.

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2003249670	CAPTURING IMAGES OF A DEFIBREILLATION SCENE	MEDTRONIC PHYSIO-CONTROL CORP.
2003253596	WAVE SHAPING FOR AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003256694	A PHYSIOLOGICAL MONITORING DEVICE FOR CONTROLLING A MEDICATION INFUSION DEVICE	MEDTRONIC MINIMED, INC.
2003258230	MEDICAL DEVICE EXHIBITING IMPROVED ADHESION BETWEEN POLYMERIC COATING AND SUBSTRATE	MEDTRONIC, INC
2003258205	ACTIVE AGENT DELIVERY SYSTEM INCLUDING A HYDROPHOBIC CELLULOSE DERIVATE	MEDTRONIC, INC.
2003258206	ACTIVE AGENT DELIVERY SYSTEM INCLUDING A POLYURETHANE, MEDICAL DEVICE, AND METHOD	MEDTRONIC, INC.
2003258209	ACTIVE AGENT DELIVERY SYSTEMS, MEDICAL DEVICES, AND METHODS	MEDTRONIC, INC.
2003262385	ATRIOVENTRICULAR DELAY ADJUSTMENT	MEDTRONIC, INC.
2003262674	ACTIVE AGENT DELIVERY SYSTEM INCLUDING A POLY(ETHYLENE-CO- (METH)ACRYL ATE), MEDICAL DEVICE, AND METHOD	MEDTRONIC, INC.
2003263000	CATHETER ANCHOR SYSTEM	MEDTRONIC, INC.
2003263035	VOLTAGE/CURRENT REGULATOR FOR IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003263798	METHOD FOR TREATING TISSUE WITH A WET ELECTRODE AND APPARATUS FOR USING SAME	MEDTRONIC VIDAMED INC.
2003265446	ACTIVE AGENT DELIVERY SYSTEM INCLUDING A HYDROPHILIC POLYMER, MEDICAL DEVICE, AND METHOD	MEDTRONIC, INC.
2002367928	ANTI-INFLAMMATORY BIOSENSOR FOR REDUCED BIOFOULING AND ENHANCED SENSOR PERFORMANCE	MEDTRONIC MINIMED, INC.
2003267119	MEDICAL DEVICE STATUS INFORMATION SYSTEM	MEDTRONIC PHYSIO-CONTROL CORP.
2003267232	APPARATUS AND METHODS FOR STRAIGHTENING ANGLED TISSUE CUTTING INSTRUMENTS	MEDTRONIC XOMED, INC.
2003270704	POLYMERS WITH SOFT SEGMENTS CONTAINING SILANE-CONTAINING GROUPS, MEDICAL DEVICES, AND METHODS	MEDTRONIC, INC.
2003270705	COMPOUNDS CONTAINING SILICON- CONTAINING GROUPS, MEDICAL DEVICES, AND METHODS	MEDTRONIC, INC.
2003270688	METHOD AND AGENT FOR TREATING VULNERABLE PLAQUE	MEDTRONIC AVE, INC.; CARLYLE, Wenda
2003270651	METHOD AND APPARATUS FOR ENHANCING THE INTEGRITY OF AN IMPLANTABLE SENSOR DEVICE	MEDTRONIC MINIMED, INC.
2003270800	ELEVATOR EQUIPPED WITH EMERGENCY MEDICAL DEVICE	MEDTRONIC PHYSIO-CONTROL CORP.

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DOUG	Number	Title	Owner
TINNITUS  2003272485 PACKAGING SYSTEM MEDTRONIC MINIMED, INC.  2003272485 MULTILAYER SUBSTRATE MEDTRONIC MINIMED, INC.  2003272516 IMPLANTABLE SENSOR METHOD AND SYSTEM  2003272654 POLYMER COMPOSITIONS CONTAINING BIOACTIVE AGENTS AND METHODS FOR THEIR USE  2003272807 RAPID INDUCTION OF MILD HYPOTHERMIA MEDTRONIC MINIMED, INC.  2003273131 Cell delivery fluid for prevention of cell settling in delivery system  200327317 APPARATUS FOR DISPLACING THE PARTITION BETWEEN THE MIDDLE EAR AND THE INNER EAR USING A MANUALLY POWERED DEVICE  2003273331 COMPOUNDS CONTAINING QUATERNARY CARBONS AND SILCONCONTAINING GROUPS, MEDICAL DEVICES, AND METHODS.  2003273374 HEALTH CARE PROTOCOLS MEDTRONIC PHYSIO-CONTROL CORP.  2003275190 CONTROLLABLE DRUG RELEASING GRADIENT COATINGS FOR MEDICAL DEVICE MEDTRONIC VASCULAR, INC.  2003277047 USER INTERFACE FOR MEDICAL DEVICE MEDTRONIC PHYSIO-CONTROL CORP.  20032779176 FLEXIBLE ANNULOPLASTY PROSTHESIS AND HOLDER  2003279962 STENT WITH INTERMITTENT COATING MEDTRONIC, INC.  2003285078 NEUROSTIMULATION THERAPY PROGRAMMING  2003285079 DISTRIBUTED SYSTEM FOR NEUROSTIMULATION THERAPY PROGRAMMING  2003285079 DRUG INFUSION SYSTEM PROGRAMMABLE IN FLEX MODE  2003285668 DRUG INFUSION SYSTEM PROGRAMMABLE MEDTRONIC, INC.	2003270917		MEDTRONIC PHYSIO-CONTROL CORP.
2003272485   MULTILAYER SUBSTRATE   MEDTRONIC MINIMED, INC.	2003272713		MEDTRONIC, INC.
2003272516 2003272516 2003272516 2003272517 2003272524 2003272807 2003273131 2003273131 2003273177 2003273177 2003273177 2003273131 2003273312 2003273313 2003273313 2003273314 2003273315 2003273317 2003273316 2003273177 2003273177 2003273177 2003273177 2003273177 2003273311 2003273311 2003273312 2003273312 2003273312 2003273313 2003273313 2003273314 2003273314 2003273315 2003273316 2003273317 2003273317 2003273316 2003273317 2003273317 2003273317 2003273317 2003273317 2003273318 2003273318 2003273319 2003273319 2003273374 2003273374 2003273374 2003273374 2003273374 2003273374 2003273375 2003273376 2003273376 2003273377 2003273377 2003273378 2003273379 2003273379 2003273379 2003273379 2003273379 2003273379 2003273379 2003273379 2003273379 2003273379 2003273379 2003285078 2003285078 2003285079 2003285079 2003285079 2003285079 2003285079 2003285079 2003285078 2003285079 2003285078 2003285079 2003285079 2003285079 2003285079 2003285079 2003285078 200328508 200328508 200328508 200328508 200328508 200328508 200328508 200328508 200328509 20032809 20032809 20032809 20032809 20032809 20032809 20032	2003272435	PACKAGING SYSTEM	MEDTRONIC MINIMED, INC.
SYSTEM  2003272654 POLYMER COMPOSITIONS CONTAINING BIOACTIVE AGENTS AND METHODS FOR THEIR USE  2003272807 RAPID INDUCTION OF MILD HYPOTHERMIA Cell delivery fluid for prevention of cell settling in delivery system  APPARATUS FOR DISPLACING THE PARTITION BETWEEN THE MIDDLE EAR AND THE INNER EAR USING A MANUALLY POWERED DEVICE  2003273331 COMPOUNDS CONTAINING QUATERNARY CARBONS AND SILICONCONTAINING GROUPS, MEDICAL DEVICES, AND METHODS.  2003273374 HEALTH CARE PROTOCOLS MEDTRONIC PHYSIO-CONTROL CORP.  2003275190 CONTROLLABLE DRUG RELEASING GRADIENT COATINGS FOR MEDICAL DEVICES  2003277047 USER INTERFACE FOR MEDICAL DEVICE AND HOLDER  2003279962 STENT WITH INTERMITTENT COATING MEDTRONIC PHYSIO-CONTROL CORP. MEDTRONIC PHYSIO-CONTROL CORP. MEDTRONIC VASCULAR, INC. MEDTRONIC PHYSIO-CONTROL CORP. MEDTRONIC, INC.	2003272485	MULTILAYER SUBSTRATE	MEDTRONIC MINIMED, INC.
BIOACTIVE AGENTS AND METHODS FOR THEIR USE  2003272807 RAPID INDUCTION OF MILD HYPOTHERMIA MEDTRONIC PHYSIO-CONTROL CORP.  2003273131 Cell delivery fluid for prevention of cell settling in delivery system  2003273177 APPARATUS FOR DISPLACING THE PARTITION BETWEEN THE MIDDLE EAR AND THE INNER EAR USING A MANUALLY POWERED DEVICE  2003273331 COMPOUNDS CONTAINING QUATERNARY CARBONS AND SILICONCONTAINING GROUPS, MEDICAL DEVICES, AND METHODS.  2003273374 HEALTH CARE PROTOCOLS MEDTRONIC PHYSIO-CONTROL CORP.  2003275190 CONTROLLABLE DRUG RELEASING GRADIENT COATINGS FOR MEDICAL DEVICES  2003277047 USER INTERFACE FOR MEDICAL DEVICE MEDTRONIC PHYSIO-CONTROL CORP.  2003279176 FLEXIBLE ANNULOPLASTY PROSTHESIS AND HOLDER  2003279962 STENT WITH INTERMITTENT COATING MEDTRONIC VASCULAR INC.  2003279962 STENT WITH INTERMITTENT COATING MEDTRONIC VASCULAR INC.  2003285078 DISTRIBUTED SYSTEM FOR NEUROSTIMULATION THERAPY PROGRAMMING  2003285079 NEUROSTIMULATION THERAPY MEDTRONIC, INC.	2003272516		MEDTRONIC MINIMED, INC.
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delivery system  2003273177  APPARATUS FOR DISPLACING THE PARTITION BETWEEN THE MIDDLE EAR AND THE INNER EAR USING A MANUALLY POWERED DEVICE  2003273331  COMPOUNDS CONTAINING QUATERNARY CARBONS AND SILICONCONTAINING GROUPS, MEDICAL DEVICES, AND METHODS.  2003273374 HEALTH CARE PROTOCOLS MEDTRONIC PHYSIO-CONTROL CORP.  2003275190 CONTROLLABLE DRUG RELEASING GRADIENT COATINGS FOR MEDICAL DEVICES  2003277047 USER INTERFACE FOR MEDICAL DEVICE MEDTRONIC PHYSIO-CONTROL CORP.  2003279176 FLEXIBLE ANNULOPLASTY PROSTHESIS AND HOLDER  2003279962 STENT WITH INTERMITTENT COATING MEDTRONIC VASCULAR INC.  2003285078 DISTRIBUTED SYSTEM FOR NEUROSTIMULATION THERAPY PROGRAMMING  2003285079 DRUG INFUSION SYSTEM PROGRAMMABLE IN FLEX MODE  2003285668 DRUG INFUSION SYSTEM WITH MULTIPLE MEDTRONIC, INC.  MEDTRONIC XOMED, INC.  MEDTRONIC VASCULAR INC.  MEDTRONIC, INC.	2003272807	RAPID INDUCTION OF MILD HYPOTHERMIA	MEDTRONIC PHYSIO-CONTROL CORP.
PARTITION BETWEEN THE MIDDLE EAR AND THE INNER EAR USING A MANUALLY POWERED DEVICE  2003273331  COMPOUNDS CONTAINING QUATERNARY CARBONS AND SILICONCONTAINING GROUPS, MEDICAL DEVICES, AND METHODS.  2003273374  HEALTH CARE PROTOCOLS  CONTROLLABLE DRUG RELEASING GRADIENT COATINGS FOR MEDICAL DEVICES  2003277047  USER INTERFACE FOR MEDICAL DEVICE  MEDTRONIC VASCULAR, INC.  MEDTRONIC PHYSIO-CONTROL CORP.  MEDTRONIC VASCULAR, INC.  MEDTRONIC PHYSIO-CONTROL CORP.  MEDTRONIC VASCULAR, INC.  MEDTRONIC VASCULAR INC.  MEDTRONIC, INC.	2003273131		Medtronic, Inc.
CARBONS AND SILICONCONTAINING GROUPS, MEDICAL DEVICES, AND METHODS.  2003273374 HEALTH CARE PROTOCOLS MEDTRONIC PHYSIO-CONTROL CORP.  2003275190 CONTROLLABLE DRUG RELEASING GRADIENT COATINGS FOR MEDICAL DEVICES  2003277047 USER INTERFACE FOR MEDICAL DEVICE MEDTRONIC PHYSIO-CONTROL CORP.  2003279176 FLEXIBLE ANNULOPLASTY PROSTHESIS AND HOLDER  2003279962 STENT WITH INTERMITTENT COATING MEDTRONIC VASCULAR INC.  2003285078 DISTRIBUTED SYSTEM FOR NEUROSTIMULATION THERAPY PROGRAMMING  2003285079 NEUROSTIMULATION THERAPY MANIPULATION  2003285925 DRUG INFUSION SYSTEM PROGRAMMABLE IN FLEX MODE  2003286568 DRUG INFUSION SYSTEM WITH MULTIPLE MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC.	2003273177	PARTITION BETWEEN THE MIDDLE EAR AND THE INNER EAR USING A MANUALLY	MEDTRONIC XOMED, INC.
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GRADIENT COATINGS FOR MEDICAL DEVICES  2003277047 USER INTERFACE FOR MEDICAL DEVICE MEDTRONIC PHYSIO-CONTROL CORP.  2003279176 FLEXIBLE ANNULOPLASTY PROSTHESIS AND HOLDER  2003279962 STENT WITH INTERMITTENT COATING MEDTRONIC VASCULAR INC.  2003285078 DISTRIBUTED SYSTEM FOR NEUROSTIMULATION THERAPY PROGRAMMING  2003285079 NEUROSTIMULATION THERAPY MANIPULATION  2003285925 DRUG INFUSION SYSTEM PROGRAMMABLE IN FLEX MODE  2003286568 DRUG INFUSION SYSTEM WITH MULTIPLE MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC.	2003273374	HEALTH CARE PROTOCOLS	MEDTRONIC PHYSIO-CONTROL CORP.
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AND HOLDER  2003279962 STENT WITH INTERMITTENT COATING MEDTRONIC VASCULAR INC.  2003285078 DISTRIBUTED SYSTEM FOR NEUROSTIMULATION THERAPY PROGRAMMING  2003285079 NEUROSTIMULATION THERAPY MEDTRONIC, INC.  2003285925 DRUG INFUSION SYSTEM PROGRAMMABLE MEDTRONIC, INC.  IN FLEX MODE  2003286568 DRUG INFUSION SYSTEM WITH MULTIPLE MEDTRONIC, INC.  MEDICATIONS	2003277047	USER INTERFACE FOR MEDICAL DEVICE	MEDTRONIC PHYSIO-CONTROL CORP.
2003285078       DISTRIBUTED SYSTEM FOR NEUROSTIMULATION THERAPY PROGRAMMING       MEDTRONIC, INC.         2003285079       NEUROSTIMULATION THERAPY MEDTRONIC, INC. MANIPULATION       MEDTRONIC, INC. INC. INC. INC. IN FLEX MODE         2003285925       DRUG INFUSION SYSTEM PROGRAMMABLE IN FLEX MODE       MEDTRONIC, INC. INC. INC. INC. INC. INC. INC. INC.	2003279176		MEDTRONIC, INC.
NEUROSTIMULATION THERAPY PROGRAMMING  2003285079 NEUROSTIMULATION THERAPY MANIPULATION  DRUG INFUSION SYSTEM PROGRAMMABLE IN FLEX MODE  MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC. MEDTRONIC, INC.	2003279962	STENT WITH INTERMITTENT COATING	MEDTRONIC VASCULAR INC.
MANIPULATION  2003285925 DRUG INFUSION SYSTEM PROGRAMMABLE MEDTRONIC, INC. IN FLEX MODE  2003286568 DRUG INFUSION SYSTEM WITH MULTIPLE MEDTRONIC, INC. MEDICATIONS	2003285078	NEUROSTIMULATION THERAPY	MEDTRONIC, INC.
IN FLEX MODE  2003286568 DRUG INFUSION SYSTEM WITH MULTIPLE MEDTRONIC, INC. MEDICATIONS	2003285079		MEDTRONIC, INC.
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ELECTRODE PADDLE  MEDICAL LEAD SYSTEM WITH FLAT ELECTRODE PADDLE	2003286590	MEDICAL LEAD SYSTEM WITH FLAT ELECTRODE PADDLE	MEDTRONIC, INC.
2003286860 METHOD OF AUTOMATIC EVOKED RESPONSE SENSING VECTOR SELECTION USING EVOKED RESPONSE WAVEFORM ANALYSIS	2003286860	RESPONSE SENSING VECTOR SELECTION USING EVOKED RESPONSE WAVEFORM	MEDTRONIC, INC.
2003287185 MEDICAL LEAD WITH FLAT ELECTRODE PADDLE FOR THE LIGAMENTUM FLAVUM  MEDTRONIC, INC.	2003287185		MEDTRONIC, INC.
2003287205 METHODS AND APPARATUS FOR ACCESSING AND STABILIZING AN AREA OF THE HEART MEDTRONIC, INC.	2003287205	ACCESSING AND STABILIZING AN AREA OF	MEDTRONIC, INC.
2003288959 BODY REGION INDICATION MEDTRONIC, INC.	2003288959	BODY REGION INDICATION	MEDTRONIC, INC.
2003288960 IMPLANTABLE NEUROSTIMULATOR PROGRAMMING WITH BATTERY LONGEVITY INDICATION MEDTRONIC, INC.	2003288960	PROGRAMMING WITH BATTERY	MEDTRONIC, INC.

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2003288961	FAILSAFE PROGRAMMING OF IMPLANTABLE MEDICAL DEVICES	MEDTRONIC, INC.
2003285872	CYCLE MODE PROVIDING REDUNDANT BACK-UP TO ENSURE TERMINATION OF TREATMENT THERAPY IN A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003285888	MEDICAL DEVICE SYSTEM WITH RELAYING MODULE FOR TREATMENT OF NERVOUS SYSTEM DISORDERS	MEDTRONIC INC.
2003285889	CONTROL OF TREATMENT THERAPY DURING START-UP AND DURING OPERATION OF A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003285895	CLUSTERING OF RECORDED PATIENT NEUROLOGICAL ACTIVITY TO DETERMINE LENGTH OF A NEUROLOGICAL EVENT	MEDTRONIC INC.
2003286445	MEDICAL DEVICE SYSTEM WITH RELAYING MODULE FOR TREATMENT OF NERVOUS SYSTEM DISORDERS	MEDTRONIC INC.
2003286451	SIGNAL QUALITY MONITORING AND CONTROL FOR A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003286454	CONTROL OF TREATMENT THERAPY DURING START-UP AND DURING OPERATION OF A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003287159	SYNCHRONIZATION AND CALIBRATION OF CLOCKS FOR A MEDICAL DEVICE AND CALIBRATED CLOCK	MEDTRONIC INC.
2003287162	CONFIGURING AND TESTING TREATMENT THERAPY PARAMETERS FOR A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003287166	PHASE SHIFTING OF NEUROLOGICAL SIGNALS IN A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003286473	ANALYTE SENSORS AND METHODS FOR MAKING THEM	MEDTRONIC MINIMED, INC.
2003285947	STENT WITH ECCENTRIC COATING	MEDTRONIC VASCULAR, INC.
2003291353	SUCTION-ASSISTED TISSUE ENGAGEMENT THROUGH A MINIMALLY INVASIVE INCISION	MEDTRONIC, INC.
2003291644	SIGNAL QUALITY MONITORING AND CONTROL FOR A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003293035	TREATMENT OF NEURODEGENERATIVE DISEASE THROUGH INTRACRANIAL DELIVERY OF SIRNA	MEDTRONIC, INC.
2003293454	COUPLING MODULE OF A MODULAR IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003294595	MODULAR IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003294596	LEAD CONNECTION MODULE OF A MODULAR IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003295351	CYCLE MODE PROVIDING REDUNDANT BACK-UP TO ENSURE TERMINATION OF TREATMENT THERAPY IN A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.

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2003293253	SELECTING ELECTROTHERAPY DOSAGE	MEDTRONIC PHYSIO-CONTROL CORP.
2003296340	CONCAVITY OF AN IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003297723	REDUCING RELATIVE INTERMODULE MOTION IN A MODULAR IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003297724	LOW-PROFILE IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003297725	OVERMOLD FOR A MODULAR IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003297735	MODULAR IMPLANTABLE MEDICAL DEVICE	MEDTRONIC, INC.
2003298618	HUMAN-IMPLANTABLE- NEUROSTIMULATOR USER INTERFACE HAVING MULTIPLE LEVELS OF ABSTRACTION	MEDTRONIC, INC.
2003298830	DISCRIMINATING POLYMORPHIC FROM MONOMORPHIC TACHYARRHYTHMIAS	MEDTRONIC, INC.
2003298851	METHOD AND APPARATUS FOR DETECTING CHANGE IN INTRATHORACIC ELECTRICAL IMPEDANCE	MEDTRONIC, INC.
2003297503	HYDROPHILIC CROSS-LINKING AGENTS FOR USE IN ENZYMATIC SENSORS	MEDTRONIC MINIMED, INC.
2003298796	INFUSION DEVICE HAVING PISTON OPERATED DRIVING MECHANISM AND POSITIVE PRESSURE RESERVOIR	MEDTRONIC MINIMED, INC.
2003298829	INFUSION DEVICE AND DRIVING MECHANISM AND PROCESS FOR SAME WITH ACTUATOR FOR MULTIPLE INFUSION USES	MEDTRONIC MINIMED, INC.
2003297832	MODULAR STENT HAVING POLYMER BRIDGES AT MODULAR UNIT CONTACT SITES	MEDTRONIC VASCULAR
2003299083	A METHOD FOR TREATING SEVERE TINNITUS	MEDTRONIC, INC.
2003299741	STEERABLE CATHETER	MEDTRONIC, INC.
2003299890	IMPLANTABLE DRUG DELIVERY SYSTEMS AND METHODS	MEDTRONIC, INC.
2003299891	DRUG SOLUTION DENSITY ADJUSTMENT SYSTEMS AND METHODS	MEDTRONIC, INC.
2003300042	METHOD AND SYSTEM FOR TREATING DEPRESSIVE AND ANXIETY DISORDERS	MEDTRONIC, INC.
2003300269	FUNCTIONALIZATION OF IMMOBILIZED PROTEINS	MEDTRONIC MINIMED, INC.
2003300456	CLOSED LOOP METHOD FOR CONTROLLING INSULIN INFUSION	MEDTRONIC MINIMED, INC.
2003300352	EMERGENCY MEDICAL DEVICES WITH MULTIPLE DISPLAYS	MEDTRONIC PHYSIO-CONTROL CORP.
2003301002	COOLANT CONTROL FOR RAPID INDUCTION OF MILD HYPOTHERMIA	MEDTRONIC PHYSIO-CONTROL CORP.
2003301113	COMMUNICATING MEDICAL EVENT INFORMATION	MEDTRONIC PHYSIO-CONTROL CORP.
2003301118	COMMUNICATION BETWEEN EMERGENCY MEDICAL DEVICE AND SAFETY AGENCY	MEDTRONIC PHYSIO-CONTROL CORP.

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2003301255	SCREENING TECHNIQUES FOR MANAGEMENT OF A NERVOUS SYSTEM DISORDER	MEDTRONIC INC.
2003301256	TIMED DELAY FOR REDELIVERY OF TREATMENT THERAPY FOR A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003301368	SCORING OF SENSED NEUROLOGICAL SIGNALS FOR USE WITH A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003301370	MULTI-MODAL OPERATION OF A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003301481	CHANNEL-SELECTIVE BLANKING FOR A MEDICAL DEVICE SYSTEM	MEDTRONIC INC.
2003301818	METHOD AND DEVICE FOR APPLYING FILTER INFORMATION TO IDENTIFY COMBINATIONS OF ELECTRODES	MEDTRONIC, INC.
2001215860	Method and system for myocardial infarction repair	Medtronic, Inc.
2003303386	PERMEABLE MEMBRANE CATHETERS, SYSTEMS, AND METHODS	MEDTRONIC, INC.
2003303387	MULTIPLE INFUSION SECTION CATHETERS, SYSTEMS, AND METHODS	MEDTRONIC, INC.
2003303627	MEDICAL DEVICE COMMUNICATION	MEDTRONIC PHYSIO-CONTROL CORP.
2012203291	Heart valve prosthesis and methods of manufacture and use	Medtronic Corevalve, LLC
2003304495	DEVICE AND METHOD FOR ABLATION OF CARDIAC TISSUE	MEDTRONIC, INC.
2003304630	Therapy-delivering portable medical device capable of triggering and communicating with an alarm system	Medtronic Physio-Control Manufacturing Corporation
2004213021	Occlusion resistant hydrocephalic shunt	Medtronic, Inc.
2004218488	Method and appartus for optimizing cardiac resynchronization therapy based on left ventricular acceleration	Medtronic Inc.
2004218510	Method and apparatus for assessing left ventricular function and optimizing cardiac pacing intervals based on left ventricular wall motion	Medtronic Inc.
2004271093	Methods of inducing the expression of bone morphogenetic proteins (BMPs) and transforming growth factor-beta proteins (TGF-betas) in cells	Medtronic Sofamor Danek
2003304711	Paddle-type medical lead with radiopaque orientation marker	Medtronic, Inc.
2005223668	Methods and systems for treatment of neurological diseases of the central nervous system	Medtronic, Inc.
2004298982	Antimicrobial protection for implantable medical device	Medtronic, Inc.
2004268019	Implantable biosensor devices for monitoring cardiac marker molecules	Medtronic, Inc.
2001286932	System and method for attaching upper and lower outer cases in an implantable drug pump	Medtronic, Inc.
2004278725	Controlling telemetry during magnetic resonance imaging	Medtronic, Inc.
2004278743	Timing of MRI data acquisition involving implantable medical devices	Medtronic, Inc.

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2004279367	Controlling blanking during magnetic resonance imaging	Medtronic, Inc.
2004271977	Surgical micro-burring instrument and method of performing sinus surgery	Medtronic Xomed, Inc.
2004279285	Automatic therapy adjustments	Medtronic, Inc.
2004279434	Multiple pacing output channels	Medtronic, Inc.
2004280239	Refractory period tracking and arrhythmia detection	Medtronic, Inc.
2004280244	Method and apparatus for controlling extra-systolic stimulation (ESS) therapy using ischemia detection	Medtronic, Inc.
2004281646	External power source for an implantable medical device having an adjustable magnetic core and system and method related therefore	Medtronic, Inc.
2004283654	Driver circuitry switchable between energy transfer and telemetry for an implantable medical device	Medtronic, Inc.
2004283661	Inductively rechargeable external energy source, charger, system and method for an implantable medical device	Medtronic, Inc.
2004287458	Implantable electroporation therapy device and method for using same	Medtronic, Inc.
2004279409	Cardiac pacing modality having improved blanking, timing, and therapy delivery methods for extra-systolic stimulation pacing therapy	Medtronic, Inc.
2004280237	Extra-systolic stimulation therapy delivery and sensing via different electrode sets	Medtronic, Inc.
2004280246	Secure and efficacious therapy delivery for an extra-systolic stimulation pacing engine	Medtronic, Inc.
2004281639	External power source, charger and system for an implantable medical device having thermal characteristics and method therefore	Medtronic, Inc.
2004281793	Method and apparatus for monitoring tissue fluid content for use in an implantable cardiac device	Medtronic, Inc.
2004284912	Process for producing injectable gabapentin compositions	Medtronic, Inc.
2004283720	Techniques to treat neurological disorders by attenuating the production of pro-inflammatory mediators	Medtronic, Inc.
2002368545	Field stimulation about a discontinuity of the myocardium to capture the heart at reduced pacing thresholds	Medtronic, Inc.
2004290583	Implantable heart valve prosthetic devices having intrinsically conductive polymers	Medtronic, Inc.
2004298981	Surgical connection apparatus and methods	Medtronic, Inc.
2005204649	Bileaflet prosthetic valve and method of manufacture	Medtronic, Inc.
2005209309	Fluid evacuator system	Medtronic
2005229011	Methods and apparatus providing suction-assisted tissue engagement	Medtronic, Inc.
2005248389	Treatment of neurodegenerative disease through intracranial delivery of siRNA	Medtronic, Inc.
2005248772	Point of care heparin determination system	Medtronic, Inc.
2005244868	Method and devices for treating atrial fibrillation by mass ablation	Medtronic, Inc.

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2005245432	Methods of using high intensity focused ultrasound to form an ablated tissue area	Medtronic, Inc.
2005271858	Multi-polar feedthrough array for analog and/or digital communication with implantable medical device circuitry	Medtronic, Inc.
2005267121	Therapy programming guidance based on stored programming history	Medtronic, Inc.
2005295376	Self-fixating implantable scaffolds for the administration of biological or pharmaceutical substances	Medtronic, Inc.
2005295720	Cellular and genetic intervention to treat ventricular tachycardia	Medtronic, Inc.
2005306826	Ablation system with feedback	Medtronic Ablation Frontiers LLC
2005309408	Atrial ablation catheter and method of use	Medtronic Ablation Frontiers LLC
2006226818	Modification of thermoplastic polymers	Medtronic, Inc.
2006250076	A non-cylindrical prosthetic valve system for transluminal delivery	Medtronic CoreValve, LLC
2006272866	Miniature pump for drug delivery	Medtronic, Inc.
2006295080	Composite heart valve apparatus manufactured using techniques involving laser machining of tissue	Medtronic, Inc.
2006295394	Tubing holding device for roller pumps	Medtronic, Inc.
2007210010	Ablation device and system for guiding said ablation device into a patient's body	Medtronic, Inc.
2007210060	Ablation device with lockout feature	Medtronic, Inc.
2007210011	Device and system for surgical dissection and or guidance of other medical devices into body	Medtronic, Inc.
2006315238	Injectable formulation capable of forming a drug- releasing device	Medtronic Xomed, Inc.
2007242973	Cerebrospinal fluid shunt having long term anti- occlusion agent delivery	Medtronic PS Medical, Inc.
2007248146	Recycled helium gas surgical instrument	Medtronic PS Medical, Inc.
2007249413	Antibacterial extracellular polysaccharide solvating system	Medtronic Xomed, Inc.
2007254929	Annuloplasty ring and method	Medtronic, Inc.
2007269406	Flexible bioresorbable hemostatic packing and stent	Medtronic Xomed, Inc.
2009200783	Peptide amidation process	Medtronic, Inc.
2007302788	Capacitive interface circuit for low power sensor system	Medtronic, Inc.
2007345667	Chopper-stabilized instrumentation amplifier	Medtronic, Inc.
2007333304	Method and apparatus for assisting deglutition	Medtronic Xomed, Inc
2007334162	Method and apparatus for assisting deglutition	Medtronic Xomed, Inc.
2007342189	Surgical systems and methods for biofilm removal, including a sheath for use therewith	Medtronic Xomed, Inc
2008219483	Motor assembly for a powered surgical instrument	Medtronic PS Medical, Inc.
2007346705	Solvating system and sealant for medical use	Medtronic Xomed, Inc.
2008219489	Systems and methods for biofilm removal, including a biofilm removal endoscope for use therewith	Medtronic Xomed, Inc.
2008216670	Multi-layered stents and methods of implanting	Medtronic, Inc.
2008237473	Surgical instrument, system, and method for biofilm removal	Medtronic Xomed, Inc.

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2009236094	Medical devices and methods including polymers having biologically active agents therein	Medtronic, Inc.
2009236115	Clonidine formulations in a biodegradable polymer carrier	Medtronic, Inc.; Warsaw Orthopedic, Inc.
2009236089	Methods and compositions for treating post- operative pain comprising a local anesthetic	Warsaw Orthopedic, Inc.; Medtronic, Inc.
2009236119	Method for treating acute pain with a formulated drug depot in combination with a liquid formulation	Warsaw Orthopedic, Inc.; Medtronic, Inc.
2009236157	Methods and compositions for treating post- operative pain comprising clonidine	Warsaw Orthopedic, Inc.; Medtronic, Inc.
2009236419	Dexamethasone formulations in a biodegradable material	Warsaw Orthopedic, Inc.; Medtronic, Inc.
2008321166	Systems and methods for surgical removal of brain tumors	Medtronic Xomed, Inc.
2009206340	Infundibular reducer device delivery system and related methods	Medtronic Vascular Inc.
2009206672	Delivery systems and methods of implantation for prosthetic heart valves	Medtronic, Inc.
2010207765	Surgical micro-burring instrument and method of performing sinus surgery	Medtronic Xomed, Inc.
2009215644	Method and system for loading of tubing into a pumping device	Medtronic Xomed, Inc.
2009223387	Systems for surgical removal of tissue	Medtronic Xomed, Inc.
2009223439	Flexible, flat pouch with port for mixing and delivering powder-liquid mixture	Medtronic Xomed, Inc.
2009225866	Control for a powered surgical instrument	Medtronic Xomed, Inc.
2009219415	Infundibular reducer devices	Medtronic Vascular Inc.
2009236427	Biological markers and response to treatment for pain, inflammation, neuronal or vascular injury and methods of use	Medtronic, Inc.; Warsaw Orthopedic, Inc.
2009236494	Spinal fixation system	Medtronic, Inc.
2009236544	Rigid bone graft substitute	Medtronic, Inc.; Warsaw Orthopedic, Inc.
2009240565	Stented heart valve devices	Medtronic, Inc.; Capps, M.
2009240509	Rehydratable thiolated polysaccharide particles and sponge	Medtronic, Inc.
2009240510	Rehydratable polysaccharide particles and sponge	Medtronic, Inc.
2009240511	Thiolated chitosan gel	Medtronic, Inc.
2009240512	Protective gel based on chitosan and oxidized polysaccharide	Medtronic, Inc.
2009240513	Chitosan-containing protective composition	Medtronic, Inc.
2009240514	Cold ionizing radiation sterilization	Medtronic, Inc.
2009238443	Surgical instrument with internal irrigation	Medtronic Xomed, Inc.
2009241564	Surgical instrument, system, and method for frontal sinus irrigation	Medtronic Xomed, Inc.
2009242500	Self expanding electrode cuff	Medtronic, Inc.
2009242502	Self expanding electrode cuff	Medtronic, Inc.
2009242504	Electrode lead system	Medtronic, Inc.
2009257762	Micro-saw blade for bone-cutting surgical saws	Medtronic PS Medical, Inc.
2009257763	Surgical cutting instrument with nearperimeter interlocking coupling arrangement	Medtronic PS Medical, Inc.
2009257769	Surgical cutting instrument with dual surface	Medtronic PS Medical, Inc.

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Number	Title	Owner
2009257390	Method for treating chronic wounds with an extracellular polymeric substance solvating system	Medtronic Xomed, Inc.
2009265082	Chuck for reciprocating surgical instrument	Medtronic Xomed, Inc.
2009283087	Surgical fluid management system	Medtronic Xomed, Inc.
2009322637	Flowable pharmaceutical depot	Medtronic, Inc.
2009333702	Nerve electrode	Medtronic Xomed, Inc.
2010208503	Systems and methods for surgical removal of brain tumors	Medtronic Xomed, Inc.
2010210963	Nerve monitoring during electrosurgery	Medtronic Xomed, Inc.
2010256630	Stented prosthetic heart valves	Medtronic Inc.
2010258919	Lubrication and exhaust system for a powered surgical instrument	Medtronic Xomed, Inc.
2010295275	Waveforms for electrical stimulation therapy	Medtronic, Inc.
2010286587	Transcatheter valve delivery systems and methods	Medtronic Inc.
2010292485	Paravalvular leak closure devices and methods	Medtronic Inc.
2010295291	Stented transcatheter prosthetic heart valve delivery system and method	Medtronic Inc.
2010300373	Endotracheal tube apparatus	Medtronic-Xomed, Inc.
2010300379	Endotracheal tube apparatus	Medtronic-Xomed, Inc.
2011233642	Transcatheter prosthetic heart valve delivery system with recapturing feature and method	Medtronic Inc.
2011230612	Stents for prosthetic heart valves	Medtronic Inc.
2011224438	Sinus-engaging fixation member	Medtronic Inc.
2010339684	System and method of bone processing	Medtronic Xomed, Inc.
2011220860	Transcatheter valve structure and methods for valve delivery	Medtronic Inc.
2011238743	Transcatheter heart valve delivery system with reduced area moment of inertia	Medtronic Inc.
2011238752	Transcatheter prosthetic heart valve delivery system with recapturing feature and method	Medtronic Inc.
2011240939	Transcatheter prosthetic heart valve delivery device with funnel recapturing feature and method	Medtronic Inc.
2011240940	Transcatheter prosthetic heart valve delivery device with stability tube	Medtronic Inc.
2011243066	Transcatheter prosthetic heart valve delivery system with expandable stability tube	Medtronic Inc.
2011248657	Transcatheter prosthetic heart valve delivery device with passive trigger release	Medtronic Inc.
2011248658	Transcatheter prosthetic heart valve delivery device with biased release features	Medtronic Inc.
2011241055	Sheath for controlled delivery of a heart valve prosthesis	Medtronic Vasular Inc.
2011232607	Adjusting drug loading in polymeric materials	Medtronic Xomed, Inc.

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