



U.S. Patents Prosecuted by William P. Smith

Assignee	Title of Invention	U.S. Pat No.
AR PHOTONICS	REFLECTIVE ARRAYED WAVEGUIDE GRATING	7,110,627
AR PHOTONICS	NANOPHOTONIC INTEGRATED CIRCUIT	7,412,121
	METHOD AND SYSTEM FOR LEASING MOTOR VEHICLES TO CREDIT CHALLENGED CONSUMERS	7,860,764
Boeing	SOLAR CELL WITH HIGH-TEMPERATURE FRONT ELECTRICAL CONTACT, AND ITS FABRICATION	7,285,720 & 8,044,295
Boeing	SOLAR CELLS HAVING A TRANSPARENT COMPOSITION-GRADED BUFFER LAYER	8,227,689
Boeing	METHOD OF FORMING DIRECTIONAL WIRELESS NETWORKS USING IN-BAND CHANNELS	7,420,944
Boeing	SELF-POWERED COM LINK FOR SMART CIRCUIT BREAKERS	7,570,470
Boeing	ANALOG TO FEATURE CONVERTER FOR SIGINT APPLICATIONS	7,539,275
Boeing	METHOD FOR FINE TIMING ACQUISITION	7,653,156
Boeing	METHOD AND SYSTEM FOR CONTROLLING A NETWORK FOR POWER BEAM TRANSMISSION	7,929,908 B2
Boeing	IMPROVED ELECTROMAGNETIC COMPATIBILITY WITH WINDOW-CHOKE RINGS	7,375,688 & 7,525,496
Boeing	GENERATOR SYNCHRONIZATION METHOD ON A COMMON DRIVE SOURCE AND APPARATUS THEREFOR	7,405,542
Boeing	LOW SOLAR ABSORPTANCE, ULTRA-HIGH, EMISSIVITY, INORGANIC ESD WHITE THERMAL CONTROL COATING	8,029,702 B2
Boeing	IDENTIFICATION AND MAPPING OF UNDERGROUND FACILITIES	7,928,892 B2
Boeing	ELECTRICALLY SMALL ANTENNA	8,031,128 B2
Boeing	TOOL TO ANALYZE PERFORMANCE OF POWER-BEAM PHOTOVOLTAIC RECEIVER	8,190,382
Boeing	HYBRID ELECTRICAL POWER SOURCE	8,427,097
	RIFLE TRIGGER SAFETY BLOCK	8,427,097
	FORWARD SCOUT SCOPE MOUNT FOR FIREARM	8,196,332

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Conductive Tech. Inc.	METHOD OF FABRICATING AN ELECTROCHEMICAL BIOSENSOR USING LASER ABLATION	8,529,742
Dentsply	FOOT PEDAL CONTROLLER FOR DENTAL SCALER	8,882,503
Dentsply	THERMOFORMED DENTAL APPLIANCE FROM MULTIPLE PLY SHEET	8,905,756
Micon	PUMPABLE SUPPORT WITH CLADDING	8,967,916 & 8,851,804
Micon	METHOD OF CONTROLLING MINE FIRES WITH POLYMERIC GEL	8,069,622 & 8,807,661
Micon	MINE SEAL WITH ADHESIVE	8,342,776
Micon	NESTED MINE ROOF SUPPORTS	8,801,338
Micon	MINE SEAL WITH MULTIPLE MORTARED WALLS	8,777,522
GE	SENSOR DIAGNOSTICS USING EMBEDDED MODEL QUALITY PARAMETERS	7,603,222
GE	MODEL-BASED ITERATIVE ESTIMATION OF GAS TURBINE ENGINE COMPONENT QUALITIES	7,505,844
GE	ELECTRIC POWER GENERATION USING POWER TURBINE AFT OF LPT	7,514,810
GE	BLADE TIP ELECTRIC MACHINE	7,603,864
GE	VARIABLE MAGNETIC COUPLING OF ROTATING MACHINERY	7,791,235
GE	INTEGRATED BOOST CAVITY RING GENERATOR FOR TURBOFAN AND TURBOSHAFT ENGINES	8,198,744
GE	ELECTROMAGNETIC VARIABLE TRANSMISSION	7,880,355
GE	DOUBLE-SIDED STARTER/GENERATOR FOR AIRCRAFTS	7,750,521 & 8,063,527
GE	HIGH-SPEED HIGH-POLE COUNT GENERATORS	7,622,817 B2
GE	VARIABLE COUPLING OF TURBOFAN ENGINE SPOOLS VIA OPEN DIFFERENTIAL GEAR SET OR SIMPLE PLANETARY GEAR SET FOR IMPROVED POWER EXTRACTION AND ENGINE OPERABILITY, WITH TORQUE COUPLING FOR ADDED FLEXIBILITY	7,788,898
GE	A LIFE MANAGEMENT SYSTEM AND METHOD FOR GAS TURBINE THERMAL BARRIER COATING	8,510,060
GE	METHOD AND SYSTEM FOR LOCALIZED HEAT TREATING USING A SUSCEPTOR	9,313,832
GE	COMBUSTOR RECOVERY METHOD AND SYSTEM	8,959,925
GE	APPARATUS METHOD AND SYSTEM FOR REMOVAL OF TURBINE BUCKET COVERS	9,089,970
GE	METHOD AND SYSTEM FOR STEAM PURITY MONITORING THROUGH USE OF HIGH ELECTRON MOBILITY TRANSISTORS	9,366,153

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	COLLECTABLE FINGERPRINTED APPARATUS AND METHODS	8,019,130
Impressive Impressions	PERSONALIZED MOLDED FINGERPRINTED PICK AND PICK HOLDER AND PROCESS	5,859,377
	GUITAR PICK HOLDER NECKLACE	8,389,838 & 9,018,502
James Hess	OIL FORMING COMPOSITION, METHOD OF PRODUCING CRUDE OIL, AND METHOD OF PRODUCING VOLATILE LIQUID	9,376,631
Johnson Controls (JCI)	AN OIL BALANCE DEVICE, A COMPRESSOR UNIT AND A METHOD FOR PERFORMING AN OIL BALANCE OPERATION BETWEEN A PLURALITY OF COMPRESSOR UNITS	8,959,947
JCI	HTML DRIVEN EMBEDDED CONTROLLER	7,440,809
JCI	METHOD AND APPARATUS FOR SEALING MOTOR TERMINALS	9,484,732
JCI	METHOD FOR DETECTING ROTATING STALL IN A COMPRESSOR	8,337,144
JCI	MOTOR COOLING STRATEGY TO MINIMIZE OVERALL COMPRESSOR LOSSES	8,424,339
JCI	VAPOR COMPRESSION SYSTEM	9,347,715
JCI	METHOD AND APPARATUS FOR VARIABLE REFRIGERANT CHILLER OPERATION	9,217,592
JCI	VARIABLE SPEED DRIVE FOR A CHILLER SYSTEM	7,208,891 B2
JCI	APPLICATION OF A SWITCHED RELUCTANCE MOTION CONTROL SYSTEM IN A CHILLER SYSTEM	7,439,702
JCI	VARIABLE SPEED DRIVE FOR A CHILLER SYSTEM WITH A SWITCHED RELUCTANCE MOTOR	7,202,626
JCI	SYSTEM AND METHOD FOR CONTROLLING A VARIABLE SPEED DRIVE	7,425,806
JCI	REMOTE MONITORING DIAGNOSTICS	6,955,302
JCI	SYSTEM FOR PRECHARGING A DC LINK IN A VARIABLE SPEED DRIVE	& 7,555,912 & 7,619,906
JCI	LOW VOLTAGE VARIABLE SPEED DRIVE FOR APPLICATION ON MEDIUM/HIGH VOLTAGE MAINS	7,640,767 B2
JCI	A RIDE-THROUGH METHOD AND SYSTEM FOR HVAC&R CHILLERS	7,081,734 & 7,332,885
JCI	COMMON MODE & DIFFERENTIAL MODE FILTER FOR VARIABLE SPEED DRIVE	7,746,020
JCI	COMMON MODE & DIFFERENTIAL MODE FILTER FOR VARIABLE SPEED DRIVE	7,957,166
JCI	SYSTEM AND METHOD TO EXTEND SYNCHRONOUS OPERATION OF AN ACTIVE CONVERTER IN A VARIABLE SPEED DRIVE	7,764,041
JCI	COOLING SYSTEMS FOR VARIABLE SPEED DRIVES AND INDUCTORS	7,876,561
JCI	VARIABLE SPEED DRIVE WITH INTEGRAL BYPASS CONTACTOR	8,014,110
JCI	VARIABLE SPEED DRIVE WITH ACTIVE CONVERTER GROUND FAULT PROTECTION	8,004,803

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JCI	IGBT MODULES GROUNDING	8,735,955
JCI	VARIABLE SPEED DRIVE	9,024,559
JCI	HYBRID PERMANENT MAGNET SYNCHRONOUS MOTOR	8,258,664
JCI	CONTROL METHOD FOR VAPOR COMPRESSION SYSTEM	8,353,174
JCI	VARIABLE SPEED DRIVE FOR PERMANENT MAGNET SYNCHRONOUS MOTOR WITH ACTIVE FILTER	8,193,756
JCI	VARIABLE SPEED DRIVE USING CROSS-CONNECTED INVERTERS	8,286,439
JCI	VARIABLE SPEED DRIVE FOR PERMANENT MAGNET SYNCHRONOUS MOTOR WITH RANDOMIZED PWM SPEED CONTROL OR INTERLEAVING PWM CLOSED LOOP CONTROL	8,336,323
JCI	OPTOCOUPLER CIRCUIT FOR GATE DRIVER	8,624,213
JCI	VARIABLE SPEED DRIVE	8,174,853
JCI	SYSTEM AND METHOD FOR NOISE ATTENUATION OF SCREW COMPRESSORS	7,387,498
JCI	SYSTEM AND METHOD OF OPERATION OF MULTIPLE SCREW COMPRESSORS WITH CONTINUOUSLY VARIABLE SPEED TO PROVIDE NOISE CANCELLATION	7,854,596
JCI	PRESSURE RATIO UNLOAD LOGIC FOR A COMPRESSOR	8,826,680
JCI	SYSTEM AND METHOD TO REDUCE ACOUSTIC NOISE IN SCREW COMPRESSORS	7,413,413
JCI	CHILLER SOUND REDUCTION CONTROL SYSTEM AND METHOD	7,743,617
JCI	OIL SEPARATOR	8,429,930
JCI	TRANSPORT OF ENCAPSULATED SERIAL DATA VIA INSTANT MESSAGING COMMUNICATION	7,640,066
V. Silar	GROUND TESTING METHOD AND APPARATUS	7,323,878
R. Moore/ N. Brasky	ROTATIONAL GRAVITY GRADIOMETER	9,632,208
Teledyne/ Paradise Datacom	SATELLITE DATA COMMUNICATIONS MODEM	8,351,495
Perfect Shot Golf Loft	TRAINING AID AND TRAINING METHOD	8,351,495
Frank Sanns	INERTIAL ELECTROSTATIC CONFINEMENT FUSION	7,550,741
Frank Sanns	METHOD OF IMPROVING SOUND QUALITY OF A MUSICAL INSTRUMENT	8,134,064
Frank Sanns	ACOUSTIC STRING TENSION COMPENSATING METHOD AND APPARATUS	8,969,692
Frank Sanns	A FLUID OR LOW FLOW FRICTION PERMANENT MAGNET COMPASS	9,234,753