

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY
CONVEYING PARTY DATA	
Name	Execution Date
MORGAN STANLEY & CO. INCORPORATED	05/12/2011
RECEIVING PARTY DATA	
Name:	SENSATA TECHNOLOGIES FINANCE COMPANY, LLC
Street Address:	529 PLEASANT STREET
City:	ATTLEBORO
State/Country:	MASSACHUSETTS
Postal Code:	02703
Name:	SENSATA TECHNOLOGIES, INC.
Street Address:	529 PLEASANT STREET
City:	ATTLEBORO
State/Country:	MASSACHUSETTS
Postal Code:	02703
Name:	SENSATA TECHNOLOGIES MASSACHUSETTS, INC.
Street Address:	529 PLEASANT STREET
City:	ATTLEBORO
State/Country:	MASSACHUSETTS
Postal Code:	02703
PROPERTY NUMBERS Total: 266	
Property Type	Number
Patent Number:	4715823
Patent Number:	4801273
Patent Number:	4812799
Patent Number:	4866408
Patent Number:	4894634

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Patent Number:	4939495
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Application Number:	11147846
Application Number:	11179141
Application Number:	11179142
Application Number:	11225585
Application Number:	60721310
Application Number:	60720306

CORRESPONDENCE DATA

Fax Number: (650)838-5109

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 650-838-3743

Email: jlik@shearman.com

Correspondent Name: Gloria Jung

Address Line 1: 599 Lexington Avenue

Address Line 2: Shearman & Sterling LLP

Address Line 4: New York, NEW YORK 10022

ATTORNEY DOCKET NUMBER:

35613/12262

NAME OF SUBMITTER:

GLORIA JUNG

Total Attachments: 22

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PATENT SECURITY AGREEMENT RELEASE

This PATENT SECURITY AGREEMENT RELEASE (this "**Release**") is made as of May 12, 2011 (the "**Effective Date**"), by MORGAN STANLEY & CO. INCORPORATED, as collateral agent (the "**Collateral Agent**") for each of the Secured Parties (as defined in the Credit Agreement referred to below), in favor of SENSATA TECHNOLOGIES FINANCE COMPANY, LLC, SENSATA TECHNOLOGIES, INC., and SENSATA TECHNOLOGIES MASSACHUSETTS, INC. (collectively, the "**Grantors**"). All capitalized terms used herein but not otherwise defined herein shall have the meanings ascribed to those terms in the Credit Agreement, Security Agreement and the Patent Security Agreements (as defined below).

WHEREAS, SENSATA TECHNOLOGIES B.V., a private limited liability company (*besloten vennootschap met beperkte aansprakelijkheid*) incorporated under the laws of the Netherlands, SENSATA TECHNOLOGIES FINANCE COMPANY, LLC, a Delaware limited liability company, and SENSATA TECHNOLOGIES INTERMEDIATE HOLDING B.V., a private limited liability company (*besloten vennootschap met beperkte aansprakelijkheid*) incorporated under the laws of the Netherlands, entered into a Credit Agreement dated as of April 27, 2006 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "**Credit Agreement**") with the Lenders party thereto and MORGAN STANLEY SENIOR FUNDING, INC., as administrative agent;

WHEREAS, pursuant to the Credit Agreement, each Grantor executed and delivered that certain Domestic Security Agreement dated as of April 27, 2006 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "**Security Agreement**"), pursuant to which the Grantors granted to the Collateral Agent, for the ratable benefit of the Secured Parties, a security interest in, among other property, certain Patents of the Grantors constituting Material Intellectual Property Collateral;

WHEREAS, pursuant to the Security Agreement, (i) SENSATA TECHNOLOGIES FINANCE COMPANY, LLC and SENSATA TECHNOLOGIES, INC. executed and delivered that certain Patent Security Agreement dated as of April 27, 2006 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "**2006 Patent Security Agreement**"), and (ii) SENSATA TECHNOLOGIES MASSACHUSETTS, INC. executed and delivered that certain Patent Security Agreement dated as of April 30, 2008 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "**2008 Patent Security Agreement**"), together with the 2006 Patent Security Agreement, the "**Patent Security Agreements**";

WHEREAS, the 2006 Patent Security Agreement was recorded on May 5, 2006, with the Patent Division of the United States Patent and Trademark Office under Reel 017575 and Frame 0533, and the 2008 Patent Security Agreement was recorded on August 28, 2008, with the Patent Division of the United States Patent and Trademark Office under Reel 021450 and Frame 0563; and

WHEREAS, in accordance with the provisions of the Credit Agreement, the Grantors have satisfactorily paid all of their obligations under the Credit Agreement and the Collateral Agent now desires to release in its entirety its security interest in, to and under the Patent Collateral, including the patents and patent applications identified in Schedule A attached hereto.

NOW, THEREFORE, for good and valuable consideration, including the satisfaction of all of the Grantors' payment obligations, the receipt and sufficiency of which are hereby acknowledged, the Collateral Agent hereby agrees as follows:

SECTION 1. Release of Security Interest. The Collateral Agent, on behalf of the Secured Parties, hereby terminates and releases to the Grantors all of the Collateral Agent's right, title, and interest in and to (including any lien on and/or security interest in) the Grantors' right, title, and interest in and to the Patent Collateral (as defined in the 2006 Patent Security Agreement) and the Patent Collateral (as defined in the 2008 Patent Security Agreement), including the Patent Collateral attached hereto as Schedule A.

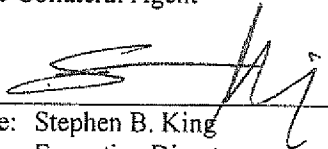
SECTION 2. Recordation. The Collateral Agent hereby authorizes and requests that the Commissioner for Patents and any other applicable government officer record this Release.

SECTION 3. Governing Law. This Release shall be governed by, and construed in accordance with, the laws of the State of New York.

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IN WITNESS WHEREOF, the Collateral Agent has caused this Release to be executed by its duly authorized representative as of the date first above written.

MORGAN STANLEY & CO. INCORPORATED,
as the Collateral Agent

By 
Name: Stephen B. King
Title: Executive Director

Schedule A

PATENTS AND DESIGN PATENTS

Patent No.	Issued	Country	Title
4,715,823	12/29/1987	US	I.C. TEST SOCKET
4,801,273	1/31/1989	US	SOCKET
4,812,799	3/14/1989	US	MINIATURE CIRCUIT BREAKER WITH IMPROVED LONGEVITY
4,866,408	9/12/1989	US	MULTIPHASE MOTOR PROTECTOR APPARATUS
4,894,634	1/16/1990	US	A SWITCH DEVICE
4,939,495	7/3/1990	US	CIRCUIT BREAKER WITH AUXILIARY STATUS INDICATING SWITCH
5,003,282	3/26/1991	US	TRIP FREE/RESET FREE MANUAL RESET
5,023,586	6/11/1991	US	HERMETIC MOTOR PROTECTOR
5,053,908	10/1/1991	US	PSC MOTOR START SYSTEM
5,127,150	7/7/1992	US	HERMETIC MOTOR PROTECTOR
5,139,437	8/18/1992	US	SOCKET
5,170,307	12/8/1992	US	MOUNTING APPARATUS FOR ELECTRICAL MOTOR CONTROL COMPONENTS
5,200,872	4/6/1993	US	INTERNAL PROTECTION CIRCUIT FOR ELECTRICALLY DRIVEN DEVICE
5,206,622	4/27/1993	US	PROTECTOR DEVICE WITH IMPROVED BIMETAL CONTACT ASSEMBLY AND METHOD OF MAKING
5,272,427	12/21/1993	US	FURNACE CONTROL APPARATUS
5,274,350	12/28/1993	US	SHUNT APPARATUS FOR CURRENT SENSING AND POWER HYBRID CIRCUITS
5,367,282	11/22/1994	US	ELECTRIC MOTOR PROTECTOR SENSOR
5,402,099	3/28/1995	US	ELECTRICAL SWITCHES USING SUCH MEMBERS
5,444,590	8/22/1995	US	SOLID STATE POWER CONTROLLER WITH POWER SWITCH PROTECTION APPARATUS
5,497,072	3/5/1996	US	SOLID STATE POWER CONTROLLER WITH POWER SWITCH PROTECTION APPARATUS
5,572,104	11/5/1996	US	FURNACE CONTROL APPARATUS
5,607,610	3/4/1997	US	COMPACT PROTECTOR
5,617,001	4/1/1997	US	SWITCHING DEVICE
5,627,506	5/6/1997	US	OVERLOAD PROTECTOR
5,688,128	11/18/1997	US	DETACHABLE SOCKET FOR AN IC CHIP
5,690,281	11/25/1997	US	SOCKET APPARATUS
5,720,231	2/24/1998	US	INDUCED DRAFT FAN CONTROL FOR USE WITH GAS FURNACES
5,723,915	3/3/1998	US	SOLID STATE POWER CONTROLLER
5,750,277	5/12/1998	US	CURRENT INTERRUPTER FOR ELECTROCHEMICAL CELLS
5,765,382	6/16/1998	US	ADAPTIVE DEFROST SYSTEM
5,806,440	9/15/1988	US	INDUCED DRAFT FAN CONTROL FOR USE WITH GAS FURNACES
5,807,104	9/15/1998	US	TEST SOCKET FOR DETACHABLE IC CHIP

<u>Patent No.</u>	<u>Issued</u>	<u>Country</u>	<u>Title</u>
5,808,539	9/15/1998	US	TEMPERATURE RESPONSIVE SNAP ACTING CONTROL ASSEMBLY, DEVICE USING SUCH ASSEMBLY AND METHOD FOR MAKING
5,816,828	10/6/1998	US	SOCKET
5,854,585	12/29/1998	US	MANUAL RESET ELECTRICAL EQUIPMENT PROTECTOR APPARATUS
5,861,794	1/19/1999	US	THERMAL CIRCUIT BREAKER APPARATUS
5,865,639	2/2/1999	US	BURN-IN TEST SOCKET
5,870,014	2/9/1999	US	THERMALLY ACTUATABLE AUXILIARY ELECTRICAL SWITCH APPARATUS
5,898,555	4/27/1999	US	OVERLOAD PROTECTOR WITH OVERCURRENT AND OVER TEMPERATURE PROTECTION
5,903,418	5/11/1999	US	OVERCURRENT PROTECTION APPARATUS FOR REFRIGERATION AND AIR CONDITIONING COMPRESSOR SYSTEMS
5,986,535	11/16/1999	US	IMPROVED LOW COST THERMOSTAT APPARATUS AND METHOD FOR CALIBRATING SAME
5,995,347	11/30/1999	US	METHOD AND APPARATUS FOR MULTI-FUNCTION ELECTRONIC MOTOR PROTECTION
6,027,355	2/22/2000	US	SOCKET APPARATUS FOR REMOVABLY LOADING ELECTRIC PARTS
6,045,382	4/4/2000	US	SOCKET APPARATUS FOR IC PACKAGES
6,084,193	7/4/2000	US	APPARATUS INCLUDING AN ARC
6,097,275	8/1/2000	US	MOTOR STARTING AND PROTECTOR APPARATUS
6,125,024	9/26/2000	US	PROTECTION APPARATUS AND METHOD FOR MAKING EXTERNALLY PROGRAMMABLE SOLID STATE POWER CONTROLLER WITH POWER SWITCH
6,169,648	1/2/2001	US	ELECTRONIC MOTOR PROTECTION SYSTEM
6,188,033	2/13/2001	US	SNAP-ACTING ELECTRICAL SWITCH
6,204,635	3/20/2001	US	CURRENT INTERRUPT APPARATUS PARTICULARLY ADAPTED FOR USE WITH PRISMATIC ELECTROCHEMICAL CELLS
6,210,824	4/3/2001	US	CURRENT INTERRUPT APPARATUS FOR ELECTROCHEMICAL CELLS
6,220,043	4/24/2001	US	APPARATUS AND METHOD FOR CONTROL OF A HEAT PUMP SYSTEM
6,229,426	5/8/2001	US	CIRCUIT BREAKER HAVING SELECTED AMBIENT TEMPERATURE SENSITIVITY
6,237,420	5/29/2001	US	DIFFERENTIAL OIL PRESSURE CONTROL APPARATUS
6,244,515	6/12/2001	US	UNIVERSAL TWO STAGE GAS FURNACE IGNITION CONTROL APPARATUS AND METHOD
6,276,969	8/21/2001	US	TERMINAL CONNECTOR FOR SEALED ELECTROMOTIVE COMPRESSORS
6,280,219	8/28/2001	US	SOCKET APPARATUS FOR IC PACKAGES
6,287,127	9/11/2001	US	ELECTRICAL SOCKET APPARATUS
6,317,304	11/13/2001	US	AN ASSEMBLY OF ELECTRIC MOTOR-CONTROLLING COMPONENTS
6,322,384	11/27/2001	US	ELECTRICAL SOCKET APPARATUS
6,350,138	2/26/2002	US	CONDUCTIVE TERMINALS SUCH AS BGA PACKAGES
6,353,526	3/5/2002	US	CIRCUIT BREAKER HAVING SELECTED AMBIENT TEMPERATURE SENSITIVITY
6,402,528	6/11/2002	US	ELECTRONIC PART MOUNTING DEVICE

<u>Patent No.</u>	<u>Issued</u>	<u>Country</u>	<u>Title</u>
6,402,537	6/11/2002	US	SOCKET FOR REMOVABLY MOUNTING AN ELECTRONIC PART
6,412,165	7/2/2002	US	TEMPERATURE RESPONSIVE SNAP ACTING CONTROL ASSEMBLY, DEVICE USING SUCH ASSEMBLY AND METHOD FOR MAKING
6,433,975	8/13/2002	US	MOTOR PROTECTOR APPARATUS
6,439,897	8/27/2002	US	SOCKET APPARATUS FOR REMOVABLY MOUNTING ELECTRONIC PACKAGES WITH IMPROVED CONTACTING SYSTEM
6,450,409	9/17/2002	US	METHOD AND APPARATUS FOR WIRING ROOM THERMOSTAT TO TWO STAGE HVAC SYSTEM
6,480,079	11/12/2002	US	ELECTRICAL CIRCUIT BREAKER DEVICE
6,483,418	11/19/2002	US	CREEP ACTING MINIATURE THERMOSTATIC ELECTRICAL SWITCH MEMBER USED THEREWITH
6,495,982	12/17/2002	US	ELECTRIC MOTOR CONTROL
6,503,647	1/7/2003	US	BATTERY PROTECTION DEVICE AND METHOD OF MAKING SAME
6,547,580	4/15/2003	US	SOCKET APPARATUS PARTICULARLY ADAPTED FOR LGA TYPE SEMICONDUCTOR DEVICES
6,614,247	9/2/2003	US	SOCKET APPARATUS AND METHOD FOR REMOVABLY MOUNTING AN ELECTRONIC PACKAGE
6,642,832	11/4/2003	US	ARC RESPONSIVE THERMAL CIRCUIT BREAKER
6,666,691	12/23/2003	US	SOCKET FOR REMOVABLY MOUNTING ELECTRONIC PACKAGES
6,674,620	1/6/2004	US	HERMETIC SINGLE PHASE MOTOR PROTECTOR
6,710,695	3/23/2004	US	AIRCRAFT CIRCUIT BREAKER WITH MANUAL OPENING RESISTANT FEATURE
6,720,749	4/13/2004	US	THREE-PHASE MOTOR PROTECTOR APPARATUS
6,720,856	4/13/2004	US	CALIBRATION STRUCTURE FOR CIRCUIT BREAKERS HAVING METALLIC TRIP MEMBER
6,749,443	6/15/2004	US	SOCKET FOR MOUNTING AN ELECTRONIC DEVICE
6,756,876	6/29/2004	US	CIRCUIT INTERRUPTER AND METHOD
6,795,283	9/21/2004	US	ELECTRICALS PACKAGE INTEGRATING RUN CAPACITOR, RUN PROTECTOR AND MOTOR STARTER
6,848,928	2/1/2005	US	SOCKET
6,851,270	2/8/2005	US	INTEGRATED REFRIGERATION CONTROL
6,979,788	12/27/005	US	ELECTRICAL SWITCH SYSTEM RESPONSIVE TO GEAR SELECTION OF VEHICULAR TRANSMISSION
6,980,407	12/27/2005	US	ARC DETECTION APPARATUS AND METHOD
6,982,400	1/3/2006	US	ELECTRICAL HEATER APPARATUS
6,995,647	2/7/2006	US	LOW CURRENT ELECTRIC MOTOR PROTECTOR
7,038,896	5/2/2006	US	SOLID STATE MOTOR PROTECTOR
7,061,204	6/13/2006	US	A MOTOR STARTER DEVICE HAVING REDUCED POWER CONSUMPTION
7,075,403	7/11/2006	US	MOTOR PROTECTOR PARTICULARLY USEFUL WITH HERMETIC ELECTROMOTIVE COMPRESSORS
7,088,563	8/8/2006	US	INTERNAL MOTOR PROTECTOR FOR HERMETIC COMPRESSOR
7,102,481	9/5/2006	US	LOW CURRENT MOTOR PROTECTOR
7,109,840	9/19/2006	US	PROTECTOR FOR ELECTRICAL APPARATUS
7,190,561	3/13/2007	US	APPARATUR FOR DETECTING ARC FAULTS
7,190,562	3/13/2007	US	APPARATUS AND METHOD FOR DETECTING ARC FAULTS
7,210,970	5/1/2007	US	CIRCUIT BREAKER WITH IMPROVED CONNECTOR SOCKET

<u>Patent No.</u>	<u>Issued</u>	<u>Country</u>	<u>Title</u>
7,217,140	5/15/2007	US	CONTACT ASSEMBLY AND SOCKET FOR USE WITH SEMICONDUCTOR PACKAGES
7,227,729	6/5/2007	US	ARC FAULT DETECTION TECHNIQUE
7,240,508	7/10/2007	US	CONNECTING PACKAGE FOR REFRIGERATOR COMPRESSOR
7,242,291	7/10/2007	US	ARC FAULT CIRCUIT INTERRUPTER TEST CIRCUIT AND TEST BOARD
7,245,198	7/17/2007	US	MOTOR START RELAY AND AN ELECTRIC COMPRESSOR USING SAME
7,301,434	11/27/2007	US	THERMALLY RESPONSIVE ELECTRICAL SWITCH
7,304,561	12/4/2007	US	MOTOR OVERLOAD PROTECTOR
1282193	6/1/2007	TW	SOCKET FOR MOUNTING AN ELECTRONIC DEVICE
1268014	12/12/2006	TW	SOCKET FOR REMOVABLY MOUNTING ELECTRONIC PACKAGES
99030	11/11/1998	TW	SOCKET APPARATUS
106225	12/30/1999	TW	SOCKET APPARATUS
107334	1/25/2000	TW	SOCKET APPARATUS FOR IC PACKAGES
118325	12/5/2000	TW	SOCKET APPARATUS FOR REMOVABLY LOADING ELECTRIC PARTS
156393	9/19/2002	TW	ELECTRICAL SOCKET APPARATUS
159453	11/7/2002	TW	CONDUCTIVE TERMINALS SUCH AS BGA PACKAGES
168660	11/10/2002	TW	CREEP ACTING MINIATURE THERMOSTATIC ELECTRICAL SWITCH MEMBER USED THEREWITH
191394	3/22/2004	TW	BURN-IN TEST SOCKET
192966	4/14/2004	TW	SOCKET APPARATUS AND METHOD FOR REMOVABLY MOUNTING AN ELECTRONIC PACKAGE
195412	5/18/2004	TW	ELECTRICAL SOCKET APPARATUS
206921	11/4/2004	TW	SOCKET APPARATUS PARTICULARLY ADAPTED FOR LGA TYPE SEMICONDUCTOR DEVICES
194892	8/14/1993	NL	PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR
66893	10/26/1993	KR	PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR
312058	10/5/2001	KR	SOCKET APPARATUS FOR IC PACKAGE TESTING
339283	5/22/2002	KR	SOCKET
372793	2/6/2003	KR	SOCKET APPARATUS
380669	4/4/2003	KR	SOCKET APPARATUS FOR REMOVABLY LOADING ELECTRIC PARTS
385352	5/14/2003	KR	SOCKET
466483	1/6/2005	KR	SOCKET APPARATUS FOR IC PACKAGES
503996	7/19/2005	KR	BURN-IN TEST SOCKET
508135	8/4/2005	KR	MOTOR STARTING AND PROTECTOR APPARATUS
510905	8/19/2005	KR	SOCKET APPARATUS
596077	6/26/2006	KR	OVERCURRENT PROTECTION APPARATUS FOR REFRIGERATION AND AIR CONDITIONING COMPRESSOR SYSTEMS
603222	7/13/2006	KR	MOTOR PROTECTOR APPARATUS
642094	10/27/2006	KR	CONDUCTIVE TERMINALS SUCH AS BGA PACKAGES
651923	11/23/2006	KR	ELECTRICAL SOCKET APPARATUS
654262	11/29/2006	KR	ELECTRICAL SOCKET APPARATUS

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668397	1/8/2007	KR	SOCKET APPARATUS FOR IC PACKAGES
709951	4/16/2007	KO	ELECTRIC MOTOR CONTROL
2108983	11/21/1996	JP	PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR
2744838	2/6/1998	JP	TRIP FREE/RESET FREE MANUAL RESET
3072078	5/26/2000	JP	BURN-IN TEST SOCKET
3231843	9/14/2001	JP	MOUNTING APPARATUS FOR ELECTRICAL MOTOR CONTROL COMPONENTS
600751	11/19/1997	IT	PROTECTION APPARATUS AND METHOD FOR MAKING EXTERNALLY PROGRAMMABLE SOLID STATE POWER CONTROLLER WITH POWER SWITCH
194892	8/4/1993	GB	PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR
409611	5/29/1996	GB	TRIP FREE/RESET FREE MANUAL RESET
600751	11/19/1997	GB	PROTECTION APPARATUS AND METHOD FOR MAKING EXTERNALLY PROGRAMMABLE SOLID STATE POWER CONTROLLER WITH POWER SWITCH
676786	2/17/1999	GB	COMPACT PROTECTOR
890967	10/6/2004	GB	MOTOR STARTING AND PROTECTOR APPARATUS
1014243	5/26/2004	GB	DIFFERENTIAL OIL PRESSURE CONTROL APPARATUS
1429360	4/26/2006	GB	SOLID STATE MOTOR PROTECTOR
600751	11/19/1997	FR	PROTECTION APPARATUS AND METHOD FOR MAKING EXTERNALLY PROGRAMMABLE SOLID STATE POWER CONTROLLER WITH POWER SWITCH
676786	2/17/1999	FR	COMPACT PROTECTOR
699018	10/13/1999	FR	SOCKET APPARATUS
890967	10/6/2004	FR	MOTOR STARTING AND PROTECTOR APPARATUS
1014243	5/26/2004	FR	DIFFERENTIAL OIL PRESSURE CONTROL APPARATUS
1429360	4/26/2006	FR	SOLID STATE MOTOR PROTECTOR
3688800.1	8/4/1993	DE	PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR
60304809.9-08	4/26/2006	DE	SOLID STATE MOTOR PROTECTOR
69027153	5/29/1996	DE	TRIP FREE/RESET FREE MANUAL RESET
69315308.3-08	11/19/1997	DE	PROTECTION APPARATUS AND METHOD FOR MAKING EXTERNALLY PROGRAMMABLE SOLID STATE POWER CONTROLLER WITH POWER SWITCH
69507848.8	2/17/1999	DE	COMPACT PROTECTOR
69512730.6-08	10/13/1999	DE	SOCKET APPARATUS
69826776.1	10/6/2004	DE	MOTOR STARTING AND PROTECTOR APPARATUS
69917577.1	5/26/2004	DE	DIFFERENTIAL OIL PRESSURE CONTROL APPARATUS
ZL2006200033133	3/23/2007	CN (U)	TEMPERATURE PROTECTOR
ZL2006200033129	2/28/2007	CN (U)	THERMAL PROTECTOR
ZL200520122330	1/24/2007	CN (U)	MOTOR OVERLOAD PROTECTOR
ZL01244829.X	3/27/2002	CN	MINIATURE MOTOR PROTECTOR COMPLETELY SEALED
ZL200310113879.2	11/29/2006	CN	MOTOR PROTECTOR PARTICULARLY USEFUL WITH HERMETIC ELECTROMOTIVE COMPRESSORS
ZL01125751.2	7/6/2005	CN	CREEP ACTING MINIATURE THERMOSTATIC ELECTRICAL SWITCH MEMBER USED THEREWITH

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ZL02107937.4	3/29/2006	CN	PROTECTOR DEVICE
ZL98115644.4	3/10/2004	CN	MOTOR STARTING AND PROTECTOR APPARATUS
ZL99102456.7	10/13/2004	CN	OVERCURRENT PROTECTION APPARATUS FOR REFRIGERATION AND AIR CONDITIONING COMPRESSOR SYSTEMS
1246129	12/6/1988	CA	PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR
591391	3/30/1990	AU	PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR

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IMPROVED HEAT-EXCHANGER	4,633,069	10/21/1985	12/30/1986
MINIATURE CIRCUIT BREAKER WITH IMPROVED LONGEVITY	4,812,799	2/26/1988	3/14/1989
PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR	4,706,152	11/4/1985	11/10/1987
PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR	4,701,824	11/4/1985	10/20/1987
LOW COST HIGH PRECISION SENSOR	4,982,351	11/6/1989	1/1/1991
LOW COST HIGH PRECISION SENSOR	4,951,236	11/6/1989	8/21/1990
LOW COST HIGH PRECISION SENSOR	5,051,937	12/3/1990	9/24/1991
PROTECTED REFRIGERATOR COMPRESSOR MOTOR SYSTEMS AND MOTOR PROTECTORS THEREFOR	4,713,717	11/4/1985	12/15/1987
THERMOSTAT	4,689,599	9/30/1985	8/25/1987
PRESSURE SENSOR WITH IMPROVED CAPACITIVE PRESSURE TRANSDUCERS	4,716,492	5/5/1986	12/29/1987
PRESSURE SENSOR WITH IMPROVED CAPACITIVE PRESSURE TRANSDUCERS	4,774,626	9/18/1987	9/27/1988
PRESSURE RESPONSIVE SWITCHES HAVING IMPROVED LONGEVITY	4,758,695	9/3/1986	7/19/1988
LUBRICATION SENSOR APPARATUS	4,793,188	12/22/1986	12/27/1988
MULTIPHASE MOTOR PROTECTOR APPARATUS	4,866,408	10/28/1988	9/12/1989
I.C. TEST SOCKET	4,715,823	11/21/1986	12/29/1987
PRESSURE SENSOR	4,875,135	12/2/1988	10/17/1989
DUAL CONDITION RESPONSIVE ELECTRICAL SWITCH COMBINED DEC	4,757,165	10/28/1987	7/12/1988
SOCKET	4,801,273	8/20/1987	1/31/1989
PRESSURE SWITCH APPARATUS HAVING IMPROVED LONGEVITY AND WIDENED TOLERANCE FOR LOCATION OF STATIONARY	4,861,953	3/18/1988	8/29/1989
PRESSURE SWITCH APPARATUS HAVING IMPROVED LONGEVITY AND WIDENED TOLERANCE FOR LOCATION OF STATIONARY	4,853,503	9/26/1988	8/1/1989

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PRESSURE OR TEMPERATURE RESPONSIVE SWITCH HAVING TEMPERATURE GRADIENT BETWEEN SENSOR AND ELECTRICAL OUTPUT	4,998,087	8/9/1989	3/5/1991
PRESSURE OR TEMPERATURE RESPONSIVE SWITCH HAVING TEMPERATURE GRADIENT BETWEEN SENSOR AND ELECTRICAL OUTPUT	5,109,603	10/16/1991	5/5/1992
PRESSURE RESPONSIVE SWITCH PARTICULARLY ADAPTABLE FOR OPERATION AS A NORMALLY OPEN OR A NORMALLY CLOSED SWITCH	5,004,876	12/20/1988	4/2/1991
METHOD FOR MAKING PRESSURE RESPONSIVE SWITCH	5,101,549	3/19/1991	4/7/1992
HIGH PRESSURE PACKAGE FOR PRESSURE TRANSDUCERS	4,888,662	12/8/1988	12/19/1989
A SWITCH DEVICE	4,894,634	10/19/1988	1/16/1990
TRIP FREE/RESET FREE MANUAL RESET	5,003,282	7/19/1989	3/26/1991
HERMETIC MOTOR PROTECTOR	5,023,588	12/18/1989	6/11/1991
HERMETIC MOTOR PROTECTOR	5,127,150	3/22/1991	7/7/1992
HIGH PRESSURE TRANSDUCER PACKAGE	5,043,841	6/13/1989	8/27/1991
PACKAGING AND SEALING FOR PRESSURE TRANSDUCER	5,060,108	1/25/1990	10/22/1991
PSC MOTOR START SYSTEM	5,053,908	11/29/1989	10/1/1991
O-RING/BACK-UP RING SEAL FOR HIGH PRESSURE TRANSDUCERS	4,903,164	6/13/1989	2/20/1990
CIRCUIT BREAKER WITH AUXILIARY STATUS INDICATING SWITCH	4,939,495	12/19/1989	7/3/1990
DEVICE FOR MEASURING PRESSURES AND FORCES	5,144,841	5/3/1991	9/8/1992
SOLID STATE POWER CONTROLLER WITH POWER SWITCH PROTECTION APPARATUS	5,444,590	12/4/1992	8/22/1995
SOLID STATE POWER CONTROLLER WITH POWER SWITCH PROTECTION APPARATUS	5,497,072	3/3/1995	3/5/1996
NORMALLY CLOSED PRESSURE RESPONSIVE SWITCH	5,049,708	5/25/1990	9/17/1991
MOUNTING APPARATUS FOR ELECTRICAL MOTOR CONTROL COMPONENTS	5,170,307	5/31/1991	12/8/1992
NORMALLY OPEN PRESSURE SWITCH	5,015,808	12/22/1989	5/14/1991
INTERNAL PROTECTION CIRCUIT FOR ELECTRICALLY DRIVEN DEVICE	5,200,872	2/7/1992	4/6/1993
ELECTRIC MOTOR PROTECTOR SENSOR	5,367,282	7/21/1992	11/22/1994
SOCKET	5,139,437	4/8/1991	8/18/1992
HIGH LIMIT THERMOSTAT APPARATUS	5,051,717	12/20/1990	9/24/1991
HIGH TEMPERATURE, TEMPERATURE RESPONSIVE SNAP ACTING CONTROL MEMBER AND ELECTRICAL SWITCHES USING SUCH MEMBERS	5,402,099	12/14/1993	3/28/1995

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SOLID STATE POWER CONTROLLER	5,723,915	12/4/1992	3/3/1998
CAPACITIVE ACCELEROMETER	5,239,871	12/17/1990	8/31/1993
CAPACITIVE ACCELEROMETER WITH CANTILEVER MOUNT	5,303,589	3/17/1993	4/19/1994
SAFETY FUSE APPARATUS FOR SOLID STATE POWER CONTROLLERS	5,287,078	12/4/1992	2/15/1994
PROTECTOR DEVICE WITH IMPROVED BIMETAL CONTACT ASSEMBLY AND METHOD OF MAKING	5,206,622	4/10/1992	4/27/1993
SENSOR WITH PROGRAMMABLE TEMPERATURE COMPENSATION	5,241,850	11/1/1991	9/7/1993
NORMALLY OPEN PRESSURE RESPONSIVE SWITCH	5,708,245	7/14/1992	1/13/1998
ACCELEROMETER	5,345,823	11/12/1991	9/13/1994
SHUNT APPARATUS FOR CURRENT SENSING AND POWER HYBRID CIRCUITS	5,274,350	12/4/1992	12/28/1993
FURNACE CONTROL APPARATUS AND METHOD	5,272,427	5/20/1992	12/21/1993
FURNACE CONTROL APPARATUS	5,572,104	6/27/1995	11/5/1996
HIGH LIMIT THERMOSTAT APPARATUS	5,144,273	7/15/1991	9/1/1992
VEHICULAR TRANSMISSION SENSOR APPARATUS RESPONSIVE TO GEAR SELECTION	5,191,178	1/10/1992	3/2/1993
METHOD AND APPARATUS FOR ENHANCING RELAY LIFE	5,530,615	12/6/1993	6/25/1996
HIGH PRESSURE RESPONSIVE SWITCH AND METHOD FOR MAKING SAME	5,278,367	12/8/1992	1/11/1994
HIGH PRESSURE RESPONSIVE SWITCH DEVICE	5,373,127	11/2/1993	12/13/1994
SEAL APPARATUS FOR PRESSURE RESPONSIVE ELECTRICAL SWITCH	5,280,926	7/14/1992	1/25/1994
TEMPERATURE SENSING APPARATUS COMBINED W/A18727	5,473,937	5/14/1993	12/12/1995
SOCKET	5,407,361	8/31/1993	4/18/1995
A.C. MOTOR STARTING CONTROL CIRCUIT UTILIZING TRIGGERABLE SEMICONDUCTOR SWITCHING DEVICE	5,617,001	2/13/1995	4/1/1997
VEHICULAR TRANSMISSION SENSOR APPARATUS RESPONSIVE TO GEAR SELECTION	5,338,907	11/19/1992	8/16/1994
SWITCH SYSTEM FOR USE WITH MOTOR VEHICLE TRANSMISSIONS	5,440,087	1/3/1994	8/8/1995
PRESSURE RESPONSIVE ELECTRIC SWITCH ASSEMBLY AND METHOD FOR MAKING	6,064,014	4/18/1998	5/16/2000
SELF-DIAGNOSTIC FLAME RECTIFICATION SENSING CIRCUIT AND METHOD THEREFOR	5,506,569	5/31/1994	4/9/1996
VENTED PRESSURE SWITCH APPARATUS	5,308,940	6/8/1993	5/3/1994

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IMPROVED ACCELERATION SENSOR APPARATUS AND METHOD FOR MAKING SAME	5,555,766	11/4/1993	9/17/1996
METHOD OF MAKING AN ACCELERATION SENSOR	5,628,100	5/9/1995	5/13/1997
HIGH PRESSURE SENSOR APPARATUS WITH LOW COST COMPACT PACKAGING SYSTEM	5,827,972	11/2/1993	10/27/1998
SOCKET	5,460,538	2/1/1994	10/24/1995
SOCKET APPARATUS FOR IC PACKAGE TESTING	5,482,471	2/16/1994	1/9/1996
EXTERNALLY PROGRAMMABLE SOLID STATE POWER CONTROLLER WITH POWER SWITCH PROTECTION APPARATUS AND METHOD OF MAKING	6,125,024	2/23/1995	9/26/2000
INDUCED DRAFT FAN CONTROL FOR USE WITH GAS FURNACES	5,524,556	6/9/1995	6/11/1996
INDUCED DRAFT FAN CONTROL FOR USE WITH GAS FURNACES	5,720,231	11/16/1995	2/24/1998
METHOD FOR CONTROLLING AN INDUCED DRAFT FAN FOR USE WITH GAS FURNACES	5,806,440	5/20/1996	9/15/1998
OVERLOAD PROTECTOR	5,627,506	2/6/1995	5/6/1997
SWITCH SYSTEM FOR MOTOR VEHICLE TRANSMISSIONS	5,525,768	2/17/1995	6/11/1996
PRESSURE TRANSDUCER APPARATUS AND METHOD FOR MAKING SAME	5,436,795	3/28/1994	7/25/1995
METHOD FOR MAKING A PRESSURE TRANSDUCER	5,544,390	2/17/1995	8/13/1996
SOCKET APPARATUS (JT W/ MITSUBISHI)	5,658,153	9/29/1995	8/19/1997
SENSOR WITH IMPROVED CAPACITIVE TO VOLTAGE CONVERTER INTEGRATED CIRCUIT	5,770,802	4/16/1997	6/23/1998
SENSOR WITH IMPROVED CAPACITIVE TO VOLTAGE CONVERTER INTEGRATED CIRCUIT	6,058,783	1/26/1998	5/9/2000
DETACHABLE SOCKET FOR AN IC CHIP	5,688,128	1/3/1995	11/18/1997
FLUID SPLASH BARRIER APPARATUS FOR AIRCRAFT CIRCUIT BREAKERS AND THE LIKE	5,459,446	10/21/1994	10/17/1995
COMPACT POTECTOR	5,607,610	4/5/1995	3/4/1997
HIGH PRESSURE SWITCH APPARATUS	5,508,483	3/24/1995	4/16/1996
TEST SOCKET FOR DETACHABLE IC CHIP	5,807,104	1/26/1996	9/15/1998
APPARATUS AND METHOD FOR SENSING FAILED TEMPERATURE RESPONSIVE SENSORS	5,834,943	11/25/1996	11/10/1998
COMPACT CAPACITIVE ACCELERATION SENSOR	5,542,296	1/3/1995	8/8/1996
APPARATUS AND METHOD FOR CONTROL OF A HEAT PUMP SYSTEM	6,220,043	6/7/1999	4/24/2001
SOCKET APPARATUS	5,690,281	8/22/1995	11/25/1997

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THERMALLY ACTUATABLE AUXILIARY ELECTRICAL SWITCH APPARATUS	5,870,014	10/11/1996	2/9/1999
METHOD AND APPARATUS FOR PROVIDING IMPROVED TEMPERATURE COMPENSATED OUTPUT FOR VARIABLE DIFFERENTIAL TRANSFORMER SYSTEM	5,767,670	8/29/1996	6/16/1998
METHOD FOR MAKING A FLUID PRESSURE TRANSDUCER	5,740,594	7/22/1996	4/21/1998
TEMPERATURE RESPONSIVE SNAP ACTING CONTROL ASSEMBLY, DEVICE USING SUCH ASSEMBLY AND METHOD FOR MAKING	5,808,539	8/28/1997	9/15/1998
IMPROVED TEMPERATURE RESPONSIVE SNAP ACTING CONTROL ASSEMBLY, DEVICE USING SUCH ASSEMBLY AND METHOD	6,412,165 B1	4/23/1998	7/2/2002
ELECTRICAL CONTROL SYSTEM FOR RELAY OPERATION RESPONSIVE TO THERMOSTAT INPUT HAVING IMPROVED EFFICIENCY	5,655,709	5/29/1996	8/12/1997
FLUID PRESSURE RESPONSIVE ELECTRIC SWITCH	5,814,779	10/1/1996	9/29/1998
FLUID PRESSURE RESPONSIVE ELECTRIC SWITCH	5,808,255	7/22/1996	9/15/1998
FLUID PRESSURE RESPONSIVE ELECTRIC SWITCH AND METHOD FOR ASSEMBLING SAME	5,870,817	5/19/1998	2/16/1999
ADAPTIVE DEFROST SYSTEM	5,765,382	8/29/1996	6/16/1998
ELECTRICAL SWITCH APPARATUS RESPONSIVE TO GEAR SELECTION OF VEHICULAR TRANSMISSION AND METHOD OF ASSEMBLING	5,736,701	5/16/1996	4/7/1998
COMPOSITE SENSOR	5,894,091	5/13/1997	4/13/1999
PRESSURE TRANSDUCER APPARATUS AND METHOD FOR MAKING	5,880,371	10/31/1997	3/9/1999
OVERLOAD PROTECTOR WITH OVERCURRENT AND OVER TEMPERATURE PROTECTION	5,898,555	1/31/1997	4/27/1999
SOCKET	5,816,828	1/8/1997	10/6/1998
COMBINED FAN AND IGNITION CONTROL WITH SELECTED CONDITION SENSING APPARATUS	5,902,099	10/31/1996	5/11/1999
MANUAL RESET ELECTRICAL EQUIPMENT PROTECTOR APPARATUS	5,854,585	2/20/1998	12/29/1998
POSITION SENSOR APPARATUS	5,856,618	7/25/1997	1/5/1999
BURN-IN TEST SOCKET APPARATUS	5,865,639	7/9/1997	2/2/1999
PRESSURE SWITCH WITH BIAXIALLY ORIENTED THERMOPLASTIC DIAPHRAGM	5,932,857	5/8/1997	8/3/1999
COMBINED PRESSURE RESPONSIVE TRANSDUCER AND TEMPERATURE SENSOR APPARATUS	5,974,893	5/15/1998	11/2/1999
CURRENT INTERRUPTER FOR ELECTROCHEMICAL CELLS	5,750,277	10/2/1996	5/12/1998
INTERNAL TRANSMISSION RANGE SWITCH SYSTEM	5,902,975	12/22/1997	5/11/1999
VOLTAGE REGULATED PRESSURE TRANSDUCER APPARATUS	6,009,757	5/15/1998	1/4/2000
MOTOR PROTECTOR DEVICE (JT W/ MATSUSHITA)	5,995,351	3/4/1998	11/30/1999

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METHOD AND APPARATUS FOR MULTI-FUNCTION ELECTRONIC MOTOR PROTECTION	5,995,347	3/10/1998	11/30/1999
METHOD AND APPARATUS FOR INFRARED SENSING OF GAS	6,067,840	6/1/1998	6/30/2000
SOCKET APPARATUS FOR IC PACKAGES	6,045,382	11/17/1997	4/4/2000
SOCKET APPARATUS	6,050,836	11/17/1997	4/18/2000
IMPROVED LOW COST THERMOSTAT APPARATUS AND METHOD FOR CALIBRATING SAME	5,986,535	1/20/1998	11/16/1999
THERMAL CIRCUIT BREAKER APPARATUS	5,881,794	5/4/1998	1/19/1999
NORMALLY CLOSED, PRESSURE RESPONSIVE ELECTRICAL SWITCH	5,888,247	4/17/1997	3/30/1999
VARIABLE DIFFERENTIAL TRANSFORMER SYSTEM AND METHOD PROVIDING IMPROVED TEMPERATURE STABILITY AND SENSOR FAULT DETECTION APPARATUS	5,777,468	12/19/1996	7/7/1998
GEAR RECOGNITION SWITCH SYSTEM	6,518,525 B1	2/10/1998	2/11/2003
MOTOR STARTING AND PROTECTOR APPARATUS	6,097,275	6/9/1998	8/1/2000
SOCKET APPARATUS FOR REMOVABLY LOADING ELECTRIC PARTS	6,027,355	6/3/1998	2/22/2000
CURRENT INTERRUPT APPARATUS PARTICULARLY ADAPTED FOR USE WITH PRISMATIC ELECTROCHEMICAL CELLS	6,204,635 B1	5/13/1999	3/20/2001
CAPACITIVE PRESSURE TRANSDUCER HAVING REDUCED OUTPUT ERROR	5,959,212	4/27/1998	9/28/1999
DIFFERENTIAL OIL PRESSURE CONTROL APPARATUS AND METHOD	6,237,420 B1	4/14/1999	5/29/2001
OVERCURRENT PROTECTION APPARATUS FOR REFRIGERATION AND AIR CONDITIONING COMPRESSOR SYSTEMS	5,903,418	2/24/1998	5/11/1999
ELECTRONIC MOTOR PROTECTION SYSTEM	6,169,648	4/9/1999	1/2/2001
ELECTRICAL CIRCUIT INTERRUPTION DEVICE HAVING IMPROVED ARC EXTINGUISHING APPARATUS INCLUDING AN ARC	6,084,193	7/12/1999	7/4/2000
CIRCUIT BREAKER HAVING SELECTED AMBIENT TEMPERATURE SENSITIVITY	6,229,426 B1	10/25/1999	5/8/2001
CAPACITIVE PRESSURE TRANSDUCER HAVING REDUCED OUTPUT ERROR	6,223,603 B1	5/18/1999	5/1/2001
SNAP- ACTING ELECTRICAL SWITCH	6,188,033 B1	1/7/2000	2/13/2001
MOTOR PROTECTOR APPARATUS	6,433,975 B1	10/20/1999	8/13/2002
CIRCUIT BREAKER HAVING SELECTED AMBIENT TEMPERATURE SENSITIVITY	6,353,526 B1	10/25/1999	3/5/2002
METHOD AND APPARATUS FOR IN-RANGE FAULT DETECTION OF CONDITION RESPONSIVE SENSOR	6,433,554	12/20/1999	8/13/2002
DC BRUSHLESS MOTOR CONTROLLER APPARATUS AND METHOD	6,222,333 B1	12/10/1999	4/24/2001
LOW COST FLUID PRESSURE RESPONSIVE ELECTRIC SWITCH HAVING INCREASED LONGEVITY	6,091,034	9/17/1999	7/18/2000

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UNIVERSAL TWO STAGE GAS FURNACE IGNITION CONTROL APPARATUS AND METHOD	6,244,515 B1	11/8/1999	6/12/2001
PRESSURE RESPONSIVE ELECTRICAL SWITCH	6,313,419 B1	7/18/2000	11/6/2001
CURRENT INTERRUPT APPARATUS FOR ELECTROCHEMICAL CELLS	6,210,824	12/18/1998	4/3/2001
POTENTIOMETRIC DAC HAVING IMPROVED RATIO METRIC OUTPUT VOLTAGE STABILITY	6,249,239 B1	11/5/1999	6/19/2001
METHOD FOR CALIBRATION OF CHEMICAL SENSOR IN MEASURING CHANGES IN CHEMICAL CONCENTRATION	6,360,982	1/18/2000	3/26/2002
HERMETICALLY SEALED PRESSURE SENSING DEVICE	6,272,927	10/20/1999	8/14/2001
TERMINAL CONNECTOR FOR SEALED ELECTROMOTIVE COMPRESSORS	6,276,969 B1	9/11/2000	8/21/2001
BATTERY PROTECTION DEVICE AND METHOD OF MAKING SAME	6,503,847 B1	8/10/2000	1/7/2003
DIGITAL INDUCTIVE POSITION SENSOR	6,642,711	1/10/2002	11/4/2003
METHOD AND APPARATUS USING PHASES FOR COMMUNICATION IN THERMOSTAT CIRCUIT	6,307,464	5/1/2000	10/23/2001
ELECTRICAL SWITCH HAVING IMPROVED RELIABILITY ELECTRICAL CONTACTS AND ELECTRICAL CONTACTS THEREFOR	6,191,375 B1	12/20/1999	2/20/2001
METHOD AND APPARATUS FOR WIRING ROOM THERMOSTAT TO TWO STAGE HVAC SYSTEM	6,450,409 B1	11/15/2000	9/17/2002
LINEAR DISPLACEMENT SENSOR APPARATUS	6,553,840	8/28/2001	4/29/2003
SOCKET FOR REMOVABLY MOUNTING ELECTRONIC PARTS HAVING A PLURALITY OF CONDUCTIVE TERMINALS SUCH AS BGA PACKAGES	6,350,138 B1	7/13/2000	2/26/2002
HERMETIC SINGLE PHASE MOTOR PROTECTOR	6,674,620	10/4/2001	1/6/2004
METHOD AND APPARATUS FOR FAULT DETECTION IN A RESISTIVE BRIDGE SENSOR	6,646,446	9/14/2001	11/11/2003
CREEP ACTING MINIATURE THERMOSTATIC ELECTRICAL SWITCH MEMBER USED THEREWITH	6,483,418	8/18/2000	11/19/2002
HERMETIC PRESSURE TRANSDUCER	6,453,747	11/27/2000	9/24/2002
ELECTRICAL SOCKET APPARATUS	6,287,127 B1	10/23/2000	9/11/2001
ELECTRICAL SOCKET APPARATUS	6,322,384 B1	11/3/2000	11/27/2001
SOCKET APPARATUS FOR IC PACKAGES	6,280,219 B1	1/3/2001	8/28/2001
METHOD AND APPARATUS FOR PROVIDING DETECTION OF EXCESSIVE NEGATIVE OFFSET OF A SENSOR	6,549,138	9/6/2001	4/15/2003
ELECTRICALS PACKAGE INTEGRATING RUN CAPACITOR, RUN PROTECTOR AND MOTOR STARTER	6,795,283	4/1/2002	9/21/2004
METHOD AND SYSTEM FOR TESTING A BIT CELL IN A MEMORY ARRAY	6,341,091 B1	11/8/2000	1/22/2002
ARC RESPONSIVE THERMAL CIRCUIT BREAKER	6,642,832	10/29/2001	11/4/2003

Title	Patent No.	Application Date	Grant Date
COMBINED PRESSURE RESPONSIVE ELECTRICAL SWITCH AND TEMPERATURE SENSOR DEVICE	6,737,952	10/9/2002	5/18/2004
ELECTRIC MOTOR CONTROL	6,495,982 B2	6/14/2001	12/17/2002
COMPACT, SEALED PRESSURE SWITCH	6,633,010	3/14/2002	10/14/2003
ELECTRONIC PART MOUNTING DEVICE	6,402,528	5/7/2001	6/11/2002
SOCKET FOR REMOVABLY MOUNTING AN ELECTRONIC PART	6,402,537	6/26/2001	6/11/2002
SOCKET APPARATUS FOR REMOVABLY MOUNTING ELECTRONIC PACKAGES WITH IMPROVED CONTACTING SYSTEM	6,439,897 B1	11/1/2001	8/27/2002
LOW COST ASIC ARCHITECTURE FOR SAFETY CRITICAL APPLICATIONS MONITORING AN APPLIED STIMULUS	6,765,391	10/22/2002	7/20/2004
PRESSURE SENSOR APPARATUS	6,487,911	11/21/2000	12/3/2002
CIRCUIT INTERRUPTER AND METHOD	6,756,876	8/1/2002	6/28/2004
SOCKET APPARATUS AND METHOD FOR REMOVABLY MOUNTING AN ELECTRONIC PACKAGE	6,614,247	10/22/2001	9/2/2003
SOCKET APPARATUS PARTICULARLY ADAPTED FOR LGA TYPE SEMICONDUCTOR DEVICES	6,570,398	9/24/2001	5/27/2003
THREE-PHASE MOTOR PROTECTOR APPARATUS	6,720,749	9/27/2002	4/13/2004
CONDITION RESPONSIVE SENSE SYSTEM AND METHOD	6,687,642	12/21/2001	2/3/2004
PROTECTIVE DEVICE FOR A HERMETICALLY SEALED TYPE COMPRESSOR AND A HERMETICALLY SEALED TYPE COMPRESSOR	6,548,924	5/30/2001	4/15/2003
ELECTRICAL CIRCUIT BREAKER DEVICE	6,480,079 B1	4/25/2002	11/12/2002
CALIBRATION STRUCTURE FOR CIRCUIT BREAKERS HAVING BIMETALLIC TRIP MEMBER	6,720,856	12/18/2002	4/13/2004
SOCKET APPARATUS PARTICULARLY ADAPTED FOR LGA TYPE SEMICONDUCTOR DEVICES	6,547,580	9/24/2001	4/15/2003
SOCKET FOR MOUNTING AN ELECTRONIC DEVICE	6,749,443	12/6/2002	6/15/2004
SOCKET FOR REMOVABLY MOUNTING ELECTRONIC PACKAGES	6,666,891	9/4/2002	12/23/2003
AIRCRAFT CIRCUIT BREAKER WITH MANUAL OPENING RESISTANT FEATURE	6,710,695	10/24/2002	3/23/2004
SOCKET	6,848,928	11/21/2002	2/1/2005
HERMETIC PRESSURE TRANSDUCER	6,763,724	1/13/2003	7/20/2004
HERMETIC PRESSURE TRANSDUCER	6,672,170	1/13/2003	1/6/2004
HERMETIC PRESSURE TRANSDUCER	6,782,758	1/13/2003	8/31/2004
HERMETIC PRESSURE TRANSDUCER	6,715,357	1/13/2003	4/6/2004

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CAPACITIVE PRESSURE TRANSDUCER	6,781,814	11/3/2003	8/24/2004
INTEGRATED REFRIGERATION CONTROL	6,851,270	6/9/2003	2/8/2005
HERMETIC PRESSURE TRANSDUCER	6,742,395	12/20/2002	6/1/2004
MAGNETIC POSITION SENSOR APPARATUS AND METHOD	6,940,275	12/15/2003	9/6/2005

PATENT APPLICATIONS

Case No.	Serial No.	Country	Date	Filing Title
A41817	10/361,388	US	2/10/2003	OVER-VOLTAGE SECONDARY BATTERY PROTECTOR AND SYSTEM USING SAME
A41826	11/250,646	US	10/14/2005	ELECTRICAL DEVICES HAVING A PLURALITY OF CURRENT RATINGS
A41857	10/227,925	US	8/26/2002	BURN-IN TEST SOCKET
A42297	11/284,169	US	11/21/2005	THERMAL CIRCUIT BREAKER
A42315	11/610,117	US	12/13/2006	MODIFIED RESET MOTOR PROTECTOR
A42402	11/407,664	US	4/20/2006	THERMALLY ACTIVATED CIRCUIT INTERRUPTER
A42405	11/320,865	US	12/29/2005	LOW COST ARC FAULT DETECTION TECHNIQUE
A42413	11/391,954	US	3/29/2006	METHODS OF DETECTING ARC FAULTS CHARACTERIZED BY CONSECUTIVE PERIODS OF ARCING
A42427	60/896,202	US	3/22/2007	ARC FAULT DETECTION IN THE PRESENCE OF A COMMON SOURCE IMPEDANCE
A42466	60/886,770	US	1/26/2007	MOTOR PROTECTOR ATTACHMENT SYSTEM
A42485	11/463,114	US	8/8/2006	BURN-IN SOCKETS FOR BGA IC DEVICES HAVING AN INTEGRATED SLIDER WITH FULL BALL GRID COMPATIBILITY
A42556	11/733,848	US	4/11/2007	THERMAL PROTECTION DEVICE
A42485	96123621	TW	6/29/2007	BURN-IN SOCKETS FOR BGA IC DEVICES HAVING AN INTEGRATED SLIDER WITH FULL BALL GRID COMPATIBILITY
A41491	10-2001-0048896	KR	8/14/2001	CREEP ACTING MINIATURE THERMOSTATIC ELECTRICAL SWITCH MEMBER USED THEREWITH
A41525	10-2002-0021182	KR	4/18/2002	ELECTRICALS PACKAGE INTEGRATING RUN CAPACITOR, RUN PROTECTOR AND MOTOR STARTER
A41639	10-2001-68791	KR	11/6/2001	SOCKET FOR REMOVABLY MOUNTING AN ELECTRONIC PART
A41711	10-2001-0065642	KR	10/24/2001	SOCKET APPARATUS AND METHOD FOR REMOVABLY MOUNTING AN ELECTRONIC PACKAGE
A41812	10-2002-0057749	KR	9/24/2002	SOCKET APPARATUS PARTICULARLY ADAPTED FOR LGA TYPE SEMICONDUCTOR DEVICES
A41831	10-2002-0080689	KR	12/17/2002	SOCKET FOR MOUNTING AN ELECTRONIC DEVICE
A41857	10-2002-0054821	KR	9/11/2002	BURN-IN TEST SOCKET
A41858	10-2002-0055662	KR	9/13/2002	SOCKET FOR REMOVABLY MOUNTING ELECTRONIC PACKAGES
A41883	10-2002-0074660	KR	11/28/2002	SOCKET

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A42015	10-2005-0083148	KR	9/7/2005	APPARATUS AND METHOD FOR DETECTING ARC FAULTS
A42023	10-2003-0071821	KR	10/15/2003	MOTOR PROTECTOR PARTICULARLY USEFUL WITH HERMETIC ELECTROMOTIVE COMPRESSORS
A42082	10-2004-0100787	KR	12/3/2004	LOW CURRENT ELECTRIC MOTOR PROTECTOR
A42146	10-2004-0067465	KR	8/26/2004	MOTOR START RELAY AND AN ELECTRIC COMPRESSOR USING SAME
A42172	10-2005-0045076	KR	5/27/2005	PROTECTOR FOR ELECTRICAL APPARATUS
A42215	10-2005-0015296	KR	2/24/2005	A MOTOR STARTER DEVICE HAVING REDUCED POWER CONSUMPTION
A42301	10-2005-0072897	KR	8/9/2005	MOTOR OVERLOAD PROTECTOR
A42405	10-2006-0135709	KR	12/27/2006	LOW COST ARC FAULT DETECTION TECHNIQUE
A42413	10-2007-0030255	KR	3/28/2007	METHODS OF DETECTING ARC FAULTS CHARACTERIZED BY CONSECUTIVE PERIODS OF ARCING
A42438	10-2007-0046169	KR	5/11/2007	THERMALLY RESPONSIVE ELECTRICAL SWITCH
A42466	10-2008-0007106	KR	1/23/2008	MOTOR PROTECTOR ATTACHMENT SYSTEM
A42485	10-2007-0079017	KR	8/7/2007	BURN-IN SOCKETS FOR BGA IC DEVICES HAVING AN INTEGRATED SLIDER WITH FULL BALL GRID COMPATIBILITY
A41624	10-2003-00888877	KO	12/9/2003	ARC DETECTION APPARATUS AND METHOD
A41711	2001-288060	JP (DP)	9/21/2001	SOCKET APPARATUS AND METHOD FOR REMOVABLY MOUNTING AN ELECTRONIC PACKAGE
A41104	45055/99	JP	2/23/1999	OVERCURRENT PROTECTION APPARATUS FOR REFRIGERATION AND AIR CONDITIONING COMPRESSOR SYSTEMS
A41491	2001-248013	JP	8/17/2001	CREEP ACTING MINIATURE THERMOSTATIC ELECTRICAL SWITCH MEMBER USED THEREWITH
A41586	2001-373464	JP	12/7/2001	ARC RESPONSIVE THERMAL CIRCUIT BREAKER
A41624	2003-408355	JP	12/8/2003	ARC DETECTION APPARATUS AND METHOD
A41707	2002-275314	JP	9/20/2002	CIRCUIT INTERRUPTER AND METHOD
A41862	2003-414157	JP	12/12/2003	SOLID STATE MOTOR PROTECTOR
A42015	2005-259999	JP	9/8/2005	APPARATUS AND METHOD FOR DETECTING ARC FAULTS
A42082	2004-349509	JP	12/2/2004	LOW CURRENT ELECTRIC MOTOR PROTECTOR
A42172	2005-153225	JP	5/26/2005	PROTECTOR FOR ELECTRICAL APPARATUS
A42301	2005-257330	JP	9/6/2005	MOTOR OVERLOAD PROTECTOR
A42405	2006-350912	JP	12/27/2006	LOW COST ARC FAULT DETECTION TECHNIQUE
A42413	2007-82096	JP	3/27/2007	METHODS OF DETECTING ARC FAULTS CHARACTERIZED BY CONSECUTIVE PERIODS OF ARCING
A42438	2007-125890	JP	5/10/2007	THERMALLY RESPONSIVE ELECTRICAL SWITCH
A42485	2007-205159	JP	8/7/2007	BURN-IN SOCKETS FOR BGA IC DEVICES HAVING AN INTEGRATED SLIDER WITH FULL BALL GRID COMPATIBILITY
A42558	2007-05535	JP	1/15/2007	SOCKET FOR SEMICONDUCTOR DEVICE
A42559	2007-52182	JP	3/2/2007	SOCKET
A42579	2007-147590	JP	6/4/2007	SOCKET FOR MOUNTING BGA
A42580	2007-126706	JP	5/11/2007	PROTECTOR
A42584	2007-010420	JP	4/19/2007	SOCKET
A42587	2007-179444	JP	7/9/2007	IC SOCKET ADAPTER

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A42588	2007-118888	JP	4/27/2007	PROBE PIN AND SOCKET USING SAME
A42082	1288/CHE/2004	IN	12/1/2004	LOW CURRENT ELECTRIC MOTOR PROTECTOR
A42301	991/CHE/2005	IN	7/25/2005	MOTOR OVERLOAD PROTECTOR
A41586	1310252	EP	12/7/2001	ARC RESPONSIVE THERMAL CIRCUIT BREAKER
A41624	3257479	EP	11/27/2003	ARC DETECTION APPARATUS AND METHOD
A41707	2256554.3	EP	9/20/2002	CIRCUIT INTERRUPTER AND METHOD
A42015	5254787.4	EP	7/9/2005	APPARATUS AND METHOD FOR DETECTING ARC FAULTS
A42082.1	7001741.3	EP	1/26/2007	LOW CURRENT ELECTRIC MOTOR PROTECTOR
A42172	5252829.6	EP	5/9/2005	PROTECTOR FOR ELECTRICAL APPARATUS
A42215	5251063.3	EP	2/23/2005	A MOTOR STARTER DEVICE HAVING REDUCED POWER CONSUMPTION
A42287	6252672.8	EP	5/23/2006	ARC FAULT CIRCUIT INTERRUPTER TEST CIRCUIT AND TEST BOARD
A42301	5254746	EP	7/28/2005	MOTOR OVERLOAD PROTECTOR
A42345	6254104	EP	8/4/2006	ARC FAULT DETECTION TECHNIQUE
A42388	7250813.8	EP	2/27/2007	CIRCUIT BREAKER WITH IMPROVED CONNECTOR SOCKET
A42405	6256254.1	EP	12/8/2006	LOW COST ARC FAULT DETECTION TECHNIQUE
A42413	7250785.8	EP	2/23/2007	METHODS OF DETECTING ARC FAULTS CHARACTERIZED BY CONSECUTIVE PERIODS OF ARCING
A42438	7251844.2	EP	5/2/2007	THERMALLY RESPONSIVE ELECTRICAL SWITCH
A41525	2118113.6	CN	4/19/2002	ELECTRICALS PACKAGE INTEGRATING RUN CAPACITOR, RUN PROTECTOR AND MOTOR STARTER
A41624	200310120219.7	CN	12/9/2003	ARC DETECTION APPARATUS AND METHOD
A41624.1	200710180832.6	CN	10/17/2007	ARC DETECTION APPARATUS AND METHOD
A42015	200510103736.2	CN	9/8/2005	APPARATUS AND METHOD FOR DETECTING ARC FAULTS
A42082	200410098345.1	CN	12/3/2004	LOW CURRENT ELECTRIC MOTOR PROTECTOR
A42172	200510074399.9	CN	5/26/2005	PROTECTOR FOR ELECTRICAL APPARATUS
A42215	200510009504	CN	2/22/2005	A MOTOR STARTER DEVICE HAVING REDUCED POWER CONSUMPTION
A42301	200510104078.9	CN	9/15/2005	MOTOR OVERLOAD PROTECTOR
A42318	200610009367.5	CN	2/28/2006	CONTACT ASSEMBLY AND SOCKET FOR USE WITH SEMICONDUCTOR PACKAGES
A42405	200610171296.9	CN	12/28/2006	LOW COST ARC FAULT DETECTION TECHNIQUE
A42413	200710091879.5	CN	3/28/2007	METHODS OF DETECTING ARC FAULTS CHARACTERIZED BY CONSECUTIVE PERIODS OF ARCING
A42438	200710102917.2	CN	5/11/2007	THERMALLY RESPONSIVE ELECTRICAL SWITCH
A42466	200810004590.X	CN	1/25/2008	MOTOR PROTECTOR ATTACHMENT SYSTEM
A42485	200710138482.7	CN	8/8/2007	BURN-IN SOCKETS FOR BGA IC DEVICES HAVING AN INTEGRATED SLIDER WITH FULL BALL GRID COMPATIBILITY
A41525	PI0201362-2	BR	4/22/2002	ELECTRICALS PACKAGE INTEGRATING RUN CAPACITOR, RUN PROTECTOR AND MOTOR STARTER
A42082	PI0405304-4	BR	11/30/2004	LOW CURRENT ELECTRIC MOTOR PROTECTOR

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A42215	PI0500581-7	BR	2/22/2005	A MOTOR STARTER DEVICE HAVING REDUCED POWER CONSUMPTION

Title	Application No.	Application Date
ARC DETECTION APPARATUS AND METHOD	10/314,715	12/9/2002
OCCUPANT WEIGHT SENSOR FOR VEHICULAR SEATS, METHOD FOR MAKING AND SYSTEM THEREFOR	10/874,963	6/23/2004
OVER-VOLTAGE SECONDARY BATTERY PROTECTOR AND SYSTEM USING SAME	10/361,388	2/10/2003
METHOD FOR AMBIENT TEMPERATURE COMPENSATING THERMOSTAT METAL ACTUATED ELECTRICAL DEVICES HAVING A PLURALITY OF CURRENT RATINGS	11/250,646	10/14/2005
BURN-IN TEST SOCKET	10/227,925	8/26/2002
SOLID STATE MOTOR PROTECTOR	10/318,960	12/13/2002
INTERNAL MOTOR PROTECTOR FOR HERMETIC COMPRESSOR	10/435,965	5/12/2003
INTEGRATED FURNACE CONTROL BOARD AND METHOD	10/830,768	4/23/2004
METHOD FOR DETECTING ARC FAULTS	10/937,487	9/9/2004
MOTOR PROTECTOR PARTICULARLY USEFUL WITH HERMETIC ELECTROMOTIVE COMPRESSORS	10/679,821	10/6/2003
LOW CURRENT ELECTRIC MOTOR PROTECTOR	10/727,297	12/3/2003
FLOW CHANNEL STRUCTURE AND METHOD	10/799,283	3/12/2004
MAGNETIC POSITION SENSOR APPARATUS AND METHOD	10/736,956	12/15/2003
MOTOR START RELAY AND AN ELECTRIC COMPRESSOR USING SAME	10/919,091	8/16/2004
APPARATUS FOR DETECTING ARC FAULTS	10/937,486	9/9/2004

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MULTI-CHANNEL PRESSURE SENSING APPARATUS	10/898,769	7/26/2004
VARIABLE CONDITION RESPONSIVE SENSE SYSTEM AND METHOD	10/743,363	12/22/2003
PROTECTOR FOR ELECTRICAL APPARATUS	10/854,831	5/27/2004
HERMETIC PRESSURE SENSING DEVICE	60/647,226	1/26/2005
METAL CONTACT SYSTEMS FOR SEMICONDUCTOR-BASED PRESSURE SENSORS EXPOSED TO HARSH CHEMICAL AND THERMAL ENVIRONMENTS	11/217,903	9/1/2005
BIOSENSOR SURFACE STRUCTURES AND METHODS	11/140,414	5/27/2005
APPARATUS FOR MOUNTING ELECTRONIC MODULE ASSEMBLY IN SENSOR	10/875,018	6/23/2004
A MOTOR STARTER DEVICE HAVING REDUCED POWER CONSUMPTION	11/017,606	12/20/2004
LOW CURRENT MOTOR PROTECTOR	10/843,101	5/11/2004
ELECTRICAL HEATER APPARATUS	10/980,532	11/3/2004
HERMETIC PRESSURE AND TEMPERATURE TRANSDUCER PACKAGE	11/072,613	3/4/2005
ELECTRICAL SWITCH SYSTEM RESPONSIVE TO GEAR SELECTION OF VEHICULAR TRANSMISSION	60/646,940	1/25/2005
INTEGRATED FURNACE CONTROL BOARD AND METHOD	10/830,777	4/23/2004
INTEGRATED FURNACE CONTROL BOARD AND METHOD	10/830,767	4/23/2004
SENSOR MOUNTING APPARATUS FOR MINIMIZING PARASITIC STRESS	10/875,039	6/23/2004
ELECTRICAL SWITCH SYSTEM RESPONSIVE TO GEAR SELECTION OF VEHICULAR TRANSMISSION	10/926,726	8/26/2004
ARC FAULT CIRCUIT INTERRUPTER TEST CIRCUIT AND TEST BOARD	11/147,846	6/8/2005
THERMAL CIRCUIT BREAKER	11/284,169	11/21/2005
MOTOR OVERLOAD PROTECTOR	11/179,141	7/12/2005
CONNECTING PACKAGE FOR REFRIGERATOR COMPRESSOR	11/179,142	7/12/2005
ARC FAULT DETECTION TECHNIQUE	11/225,585	9/13/2005
METHOD AND APPARATUS TO INCREASE HOT SURFACE IGNITER LIFE	60/721,310	9/28/2005
SMD MULTILAYER PPTC DEVICES FOR BRUSH COMMUTATED MOTOR PROTECTION	60/720,306	9/23/2005