

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2861317

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
RBC MANUFACTURING CORPORATION		12/31/2012
RECEIVING PARTY DATA		
Name:	REGAL BELOIT AMERICA, INC.	
Street Address:	200 STATE STREET	
City:	BELOIT	
State/Country:	WISCONSIN	
Postal Code:	53511	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14281236	
CORRESPONDENCE DATA		
Fax Number:	(314)612-2307	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	314-621-5070	
Email:	uspatents@armstrongteasdale.com	
Correspondent Name:	PATRICK W. RASCHE (23571) ARMSTRONG TEAS	
Address Line 1:	7700 FORSYTH BOULEVARD	
Address Line 2:	SUITE 1800	
Address Line 4:	ST. LOUIS, MISSOURI 63105	
ATTORNEY DOCKET NUMBER:	07-FW-015-UCO3	
NAME OF SUBMITTER:	PATRICK W. RASCHE	
SIGNATURE:	/Patrick W. Rasche/	
DATE SIGNED:	05/19/2014	
Total Attachments: 24		
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PATENT

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 7, 2013

PTAS

JOHN WAGLEY
1946 WEST COOK ROAD
FORT WAYNE, IN 46818

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RECORDATION DATE: 01/08/2013

REEL/FRAME: 029582/0236
NUMBER OF PAGES: 55

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RBC MANUFACTURING CORPORATION

DOC DATE: 12/31/2012

ASSIGNEE:

REGAL BELOIT AMERICA, INC.
200 STATE STREET
BELOIT, WISCONSIN 53511

APPLICATION NUMBER: 07258718

FILING DATE: 10/17/1988

PATENT NUMBER: 5918360

ISSUE DATE: 07/06/1999

TITLE: METHOD OF FABRICATING A SALIENT POLE ELECTRONICALLY COMMUTATED MOTOR

APPLICATION NUMBER: 07889708

FILING DATE: 05/27/1992

PATENT NUMBER: 5592058

ISSUE DATE: 01/07/1997

TITLE: CONTROL SYSTEM AND METHODS FOR A MULTIPARAMETER ELECTRONICALLY COMMUTATED MOTOR

APPLICATION NUMBER: 08022658

FILING DATE: 03/01/1993

PATENT NUMBER: 5339514

ISSUE DATE: 08/23/1994

TITLE: METHOD OF MANUFACTURING LAMINATED STATOR WITH IMPROVED FLUX PATTERN

APPLICATION NUMBER: 08025371	FILING DATE: 02/26/1993
PATENT NUMBER: 5418438	ISSUE DATE: 05/23/1995
TITLE: DRAFT INDUCER AIR FLOW CONTROL	
APPLICATION NUMBER: 08068208	FILING DATE: 05/27/1993
PATENT NUMBER: 5365132	ISSUE DATE: 11/15/1994
TITLE: LAMINATION FOR A DYNAMOELECTRIC MACHINE WITH IMPROVED COOLING CAPACITY	
APPLICATION NUMBER: 08108826	FILING DATE: 08/18/1993
PATENT NUMBER: 5375651	ISSUE DATE: 12/27/1994
TITLE: DRAFT INDUCER BLOWER MOTOR MOUNTING AND COOLING CONSTRUCTION	
APPLICATION NUMBER: 08197072	FILING DATE: 02/16/1994
PATENT NUMBER: 5714821	ISSUE DATE: 02/03/1998
TITLE: ALTERNATING CURRENT GENERATOR WITH DIRECT CONNECTED EXCITER WINDING	
APPLICATION NUMBER: 08205203	FILING DATE: 03/03/1994
PATENT NUMBER: 5513058	ISSUE DATE: 04/30/1996
TITLE: DC LINK CIRCUIT FOR AN ELECTRONICALLY COMMUTATED MOTOR	
APPLICATION NUMBER: 08403990	FILING DATE: 03/14/1995
PATENT NUMBER: 5537019	ISSUE DATE: 07/16/1996
TITLE: A SWITCHED RELUCTANCE MOTOR PROVIDING ROTOR POSITION DETECTION AT HIGH SPEEDS WITHOUT A SEPARATE ROTOR SHAFT POSITION SENSOR	
APPLICATION NUMBER: 08404385	FILING DATE: 03/14/1995
PATENT NUMBER: 5525887	ISSUE DATE: 06/11/1996
TITLE: A SWITCHED RELUCTANCE MOTOR PROVIDING ROTOR POSITION DETECTION AT LOW SPEEDS WITHOUT A SEPARATE ROTOR SHAFT POSITION SENSOR	
APPLICATION NUMBER: 08404471	FILING DATE: 03/14/1995
PATENT NUMBER: 5497064	ISSUE DATE: 03/05/1996
TITLE: APPARATUS FOR STARTING A SWITCHED RELUCTANCE MOTOR	
APPLICATION NUMBER: 08431063	FILING DATE: 04/28/1995
PATENT NUMBER: 5682826	ISSUE DATE: 11/04/1997
TITLE: SYSTEMS AND METHODS FOR CONTROLLING A DRAFT INDUCER FOR A FURNACE	
APPLICATION NUMBER: 08522128	FILING DATE: 08/31/1995
PATENT NUMBER: 5620302	ISSUE DATE: 04/15/1997
TITLE: DYNAMIC CONDENSATE EVACUATOR FOR HIGH EFFICIENCY GAS FURNACES	
APPLICATION NUMBER: 08536980	FILING DATE: 09/29/1995
PATENT NUMBER: 5656912	ISSUE DATE: 08/12/1997
TITLE: METHOD AND APPARATUS FOR CONTROLLING A MOTOR	
APPLICATION NUMBER: 08570095	FILING DATE: 12/11/1995
PATENT NUMBER: 5650680	ISSUE DATE: 07/22/1997
TITLE: DYNAMO ELECTRIC MACHINE WITH PERMANENT MAGNET ROTOR STRUCTURE	
APPLICATION NUMBER: 08680010	FILING DATE: 07/15/1996
PATENT NUMBER: 5796194	ISSUE DATE: 08/18/1998
TITLE: QUADRATURE AXIS WINDING FOR SENSORLESS ROTOR ANGULAR POSITION CONTROL OF SINGLE PHASE PERMANENT MAGNET MOTOR	

APPLICATION NUMBER: 08680596 FILING DATE: 07/12/1996
 PATENT NUMBER: 5726513 ISSUE DATE: 03/10/1998
 TITLE: MOTOR GOVERNOR MOUNTING ASSEMBLY

APPLICATION NUMBER: 08753920 FILING DATE: 12/03/1996
 PATENT NUMBER: 5742146 ISSUE DATE: 04/21/1998
 TITLE: DRIVE CIRCUIT FOR A SWITCHED RELUCTANCE MOTOR WITH IMPROVED
 ENERGY RECOVERY USING A COMMON DUMP CAPACITOR AND RECOVERING
 PHASE CIRCUIT

APPLICATION NUMBER: 08819956 FILING DATE: 03/18/1997
 PATENT NUMBER: 6170974 ISSUE DATE: 01/09/2001
 TITLE: DYNAMOELECTRIC MACHINE WITH DISTRIBUTION OF THE WINDING COILS
 FOR MINIMIZING VOLTAGE STRESSES AND METHOD OF LOCATING COIL
 LOCATIONS THEREFORE

APPLICATION NUMBER: 08840727 FILING DATE: 03/26/1997
 PATENT NUMBER: 5883485 ISSUE DATE: 03/16/1999
 TITLE: SIMPLIFIED CONTROL FOR RUNNING A SWITCHED RELUCTANCE MOTOR

APPLICATION NUMBER: 08909595 FILING DATE: 08/12/1997
 PATENT NUMBER: 5954476 ISSUE DATE: 09/21/1999
 TITLE: SNAP-FIT BLOWER HOUSING ASSEMBLY AND SEAL METHOD

APPLICATION NUMBER: 08955515 FILING DATE: 10/21/1997
 PATENT NUMBER: 5962938 ISSUE DATE: 10/05/1999
 TITLE: MOTOR WITH EXTERNAL ROTOR AND METHOD FOR ASSEMBLY

APPLICATION NUMBER: 09023725 FILING DATE: 02/13/1998
 PATENT NUMBER: 6046554 ISSUE DATE: 04/04/2000
 TITLE: METHOD AND APPARATUS FOR CALIBRATING A PERMANENT-MAGNET MOTOR
 USING BACK EMF MEASUREMENT

APPLICATION NUMBER: 09048946 FILING DATE: 03/26/1998
 PATENT NUMBER: 5986419 ISSUE DATE: 11/16/1999
 TITLE: QUADRATURE AXIS WINDING FOR SENSORLESS ROTOR ANGULAR POSITION
 CONTROL OF SINGLE PHASE PERMANENT MAGNET MOTOR

APPLICATION NUMBER: 09078864 FILING DATE: 05/14/1998
 PATENT NUMBER: 6104113 ISSUE DATE: 08/15/2000
 TITLE: COIL ASSEMBLY COIL ASSEMBLY OF SINGLE PHASE PERMANENT MAGNET
 MOTOR COIL ASSEMBLY FOR SENSORLESS ROTOR ANGULAR POSITION
 CONTROL OF SINGLE PHASE PERMANENT MAGNET MOTOR MOTOR

APPLICATION NUMBER: 09187219 FILING DATE: 11/06/1998
 PATENT NUMBER: 6045268 ISSUE DATE: 04/04/2000
 TITLE: BEARING LOCK CLIP FOR AN ELECTRIC MOTOR

APPLICATION NUMBER: 09204594 FILING DATE: 12/03/1998
 PATENT NUMBER: 6246207 ISSUE DATE: 06/12/2001
 TITLE: METHOD AND APPARATUS FOR CONTROLLING AN INDUCTION MOTOR

APPLICATION NUMBER: 09226807 FILING DATE: 01/06/1999
 PATENT NUMBER: 6097171 ISSUE DATE: 08/01/2000
 TITLE: METHOD AND APPARATUS FOR CONTROLLING AN INDUCTION MOTOR

APPLICATION NUMBER: 09235433 FILING DATE: 01/22/1999
 PATENT NUMBER: 6040646 ISSUE DATE: 03/21/2000
 TITLE: PLUG FOR CHANGING AN OPERATING CONDITION OF AN ELECTRIC MOTOR

APPLICATION NUMBER: 09276276 FILING DATE: 03/25/1999
PATENT NUMBER: 6147465 ISSUE DATE: 11/14/2000
TITLE: MICROPROCESSOR CONTROLLED SINGLE PHASE MOTOR WITH EXTERNAL ROTOR
 HAVING INTEGRAL FAN

APPLICATION NUMBER: 09285155 FILING DATE: 04/01/1999
PATENT NUMBER: 6133663 ISSUE DATE: 10/17/2000
TITLE: BRUSHLESS PERMANENT MAGNET MACHINE

APPLICATION NUMBER: 09314801 FILING DATE: 05/19/1999
PATENT NUMBER: 6247702 ISSUE DATE: 06/19/2001
TITLE: BEARING SHAFT SEAL

APPLICATION NUMBER: 09316194 FILING DATE: 05/21/1999
PATENT NUMBER: 6215261 ISSUE DATE: 04/10/2001
TITLE: APPLICATION SPECIFIC INTEGRATED CIRCUIT FOR CONTROLLING POWER
 DEVICES FOR COMMUTATING A MOTOR BASED ON THE BACK EMF OF MOTOR

APPLICATION NUMBER: 09397547 FILING DATE: 09/16/1999
PATENT NUMBER: 6153956 ISSUE DATE: 11/28/2000
TITLE: SWITCHED RELUCTANCE POSITION SENSING

APPLICATION NUMBER: 09401238 FILING DATE: 09/23/1999
PATENT NUMBER: 6239532 ISSUE DATE: 05/29/2001
TITLE: MOTOR WITH EXTERNAL ROTOR

APPLICATION NUMBER: 09405996 FILING DATE: 09/24/1999
PATENT NUMBER: 6286199 ISSUE DATE: 09/11/2001
TITLE: METHOD FOR ASSEMBLY OF MOTOR WITH EXTERNAL ROTOR

APPLICATION NUMBER: 09454375 FILING DATE: 12/03/1999
PATENT NUMBER: 6356044 ISSUE DATE: 03/12/2002
TITLE: MOTOR WITH PROGRAMMING MODULE

APPLICATION NUMBER: 09526355 FILING DATE: 03/16/2000
PATENT NUMBER: 6201325 ISSUE DATE: 03/13/2001
TITLE: CENTRIFUGAL ACTUATOR FOR CONTROLLING A SWITCH UNIT PARTICULARLY
 A START WINDING SWITCH UNIT FOR AN ELECTRIC MOTOR

APPLICATION NUMBER: 09597448 FILING DATE: 06/20/2000
PATENT NUMBER: 6951241 ISSUE DATE: 10/04/2005
TITLE: METHOD FOR COOLING A MOTOR IN A BLOWER ASSEMBLY FOR A FURNANCE

APPLICATION NUMBER: 09619956 FILING DATE: 07/20/2000
PATENT NUMBER: 6531794 ISSUE DATE: 03/11/2003
TITLE: METHOD FOR FABRICATING MOTORS OF DIFFERENT OUTPUTS USING
 STANDARDIZED PARTS

APPLICATION NUMBER: 09630501 FILING DATE: 08/02/2000
PATENT NUMBER: 6357667 ISSUE DATE: 03/19/2002
TITLE: METHOD AND APPARATUS OPTICALLY COUPLING THERMOSTAT TO CONTROL A
 FAN

APPLICATION NUMBER: 09655657 FILING DATE: 09/05/2000
PATENT NUMBER: 6423118 ISSUE DATE: 07/23/2002
TITLE: METHODS AND SYSTEMS FOR CONTROLLING AIR FILTRATION SYSTEMS

APPLICATION NUMBER: 09681221	FILING DATE: 02/27/2001
PATENT NUMBER: 7106019	ISSUE DATE: 09/12/2006
TITLE: DIGITAL COMMUNICATION LINK	
APPLICATION NUMBER: 09681543	FILING DATE: 04/26/2001
PATENT NUMBER: 6479916	ISSUE DATE: 11/12/2002
TITLE: METHOD AND APPARATUS FOR MOUNTING ELECTRONIC MOTOR CONTROLS	
APPLICATION NUMBER: 09681679	FILING DATE: 05/18/2001
PATENT NUMBER: 6408502	ISSUE DATE: 06/25/2002
TITLE: METHOD FOR A RESILIENT ROTOR CORE ASSEMBLY	
APPLICATION NUMBER: 09713343	FILING DATE: 11/14/2000
PATENT NUMBER: 6433504	ISSUE DATE: 08/13/2002
TITLE: METHOD AND APPARATUS OF IMPROVING THE EFFICIENCY OF AN INDUCTION MOTOR	
APPLICATION NUMBER: 09713344	FILING DATE: 11/14/2000
PATENT NUMBER: 6605919	ISSUE DATE: 08/12/2003
TITLE: METHOD AND APPARATUS FOR INDIRECTLY MEASURING INDUCTION MOTOR SLIP TO ESTABLISH SPEED CONTROL	
APPLICATION NUMBER: 09747868	FILING DATE: 12/22/2000
PATENT NUMBER: 6369536	ISSUE DATE: 04/09/2002
TITLE: METHODS AND APPARATUS FOR SELECTING AN ELECTRONICALLY COMMUTATED MOTOR SPEED	
APPLICATION NUMBER: 09764667	FILING DATE: 01/18/2001
PATENT NUMBER: 6472843	ISSUE DATE: 10/29/2002
TITLE: SYSTEM SPECIFIC FLUID FLOW CONTROL WITH INDUCTION MOTOR DRIVE	
APPLICATION NUMBER: 09806606	FILING DATE: 04/02/2001
PATENT NUMBER: 6777847	ISSUE DATE: 08/17/2004
TITLE: ROTOR CORE UTILIZING LAMINATIONS HAVING SLOTS WITH DUAL DIRECTION SKEW PORTIONS	
APPLICATION NUMBER: 09841450	FILING DATE: 04/24/2001
PATENT NUMBER: 6563240	ISSUE DATE: 05/13/2003
TITLE: ELECTRIC MOTOR HAVING A RAIN BAFFLE	
APPLICATION NUMBER: 09850226	FILING DATE: 05/07/2001
PATENT NUMBER: 6479913	ISSUE DATE: 11/12/2002
TITLE: ELECTRIC MOTOR HAVING A NO-ADJUST STARTING SWITCH	
APPLICATION NUMBER: 09925051	FILING DATE: 08/08/2001
PATENT NUMBER: 6653811	ISSUE DATE: 11/25/2003
TITLE: SWITCHED RELUCTANCE MOTOR AND METHOD AND APPARATUS FOR ALIGNING THE ROTOR THEREOF	
APPLICATION NUMBER: 09925426	FILING DATE: 08/09/2001
PATENT NUMBER: 6632010	ISSUE DATE: 10/14/2003
TITLE: FLUID-HOLDING APPARATUS INCLUDING A SENSOR	
APPLICATION NUMBER: 09951193	FILING DATE: 09/11/2001
PATENT NUMBER: 6602058	ISSUE DATE: 08/05/2003
TITLE: VENTED BACKPLATE IMPELLER WATER HEATER BLOWER AND METHOD OF MIXING DILUTION AIR	

APPLICATION NUMBER: 09951277	FILING DATE: 09/11/2001
PATENT NUMBER: 6575696	ISSUE DATE: 06/10/2003
TITLE: METHOD OF SOUND ATTENUATION IN CENTRIFUGAL BLOWERS	
APPLICATION NUMBER: 09974468	FILING DATE: 10/10/2001
PATENT NUMBER: 6537030	ISSUE DATE: 03/25/2003
TITLE: SINGLE PIECE IMPELLER HAVING RADIAL OUTPUT	
APPLICATION NUMBER: 09989043	FILING DATE: 11/20/2001
PATENT NUMBER: 6725524	ISSUE DATE: 04/27/2004
TITLE: ELECTRIC MOTOR BONDING LUG APPARATUS	
APPLICATION NUMBER: 09997418	FILING DATE: 11/29/2001
PATENT NUMBER: 6530346	ISSUE DATE: 03/11/2003
TITLE: NON-DILUTION AIR WATER HEATER BLOWER	
APPLICATION NUMBER: 10005229	FILING DATE: 12/03/2001
PATENT NUMBER: 6468034	ISSUE DATE: 10/22/2002
TITLE: FLUSH MOUNT ROUND EXHAUST FABRICATED INDUCER HOUSING	
APPLICATION NUMBER: 10080844	FILING DATE: 02/22/2002
PATENT NUMBER: 6926502	ISSUE DATE: 08/09/2005
TITLE: COMBINATION SHIELD AND CONDUIT BOX COVER	
APPLICATION NUMBER: 10122565	FILING DATE: 04/15/2002
PATENT NUMBER: 6674199	ISSUE DATE: 01/06/2004
TITLE: ELECTRIC MOTOR HOUSING	
APPLICATION NUMBER: 10214055	FILING DATE: 08/07/2002
PATENT NUMBER: 6971277	ISSUE DATE: 12/06/2005
TITLE: GEAR DRIVE CASING APPARATUS FOR ENCLOSING A GEAR DRIVE	
APPLICATION NUMBER: 10242537	FILING DATE: 09/12/2002
PATENT NUMBER: 6895176	ISSUE DATE: 05/17/2005
TITLE: METHOD AND APPARATUS FOR CONTROLLING ELECTRONICALLY COMMUTATED MOTOR OPERATING CHARACTERISTICS	
APPLICATION NUMBER: 10255234	FILING DATE: 09/26/2002
PATENT NUMBER: 6902373	ISSUE DATE: 06/07/2005
TITLE: SHEET METAL EXHAUST ADAPTER FOR DRAFT INDUCERS	
APPLICATION NUMBER: 10280874	FILING DATE: 10/25/2002
PATENT NUMBER: 6622660	ISSUE DATE: 09/23/2003
TITLE: BLOWER MIXING TEE	
APPLICATION NUMBER: 10284908	FILING DATE: 10/31/2002
PATENT NUMBER: 6856115	ISSUE DATE: 02/15/2005
TITLE: METHOD OF AND APPARATUS FOR CONTROLLING THE OPERATION OF AN INDUCTION MOTOR USING A MODEL OF THE INDUCTION MOTOR	
APPLICATION NUMBER: 10295009	FILING DATE: 11/14/2002
PATENT NUMBER: 7037203	ISSUE DATE: 05/02/2006
TITLE: ADAPTER DEVICE FOR ADAPTING A WORM GEAR	
APPLICATION NUMBER: 10324733	FILING DATE: 12/19/2002
PATENT NUMBER: 6800975	ISSUE DATE: 10/05/2004
TITLE: ELECTRIC MOTOR SHAFT ACCESS COVER	

APPLICATION NUMBER: 10335836 FILING DATE: 01/02/2003
 PATENT NUMBER: 6881035 ISSUE DATE: 04/19/2005
 TITLE: DRAFT INDUCER HAVING SINGLE PIECE METAL IMPELLER AND IMPROVED HOUSING

APPLICATION NUMBER: 10438423 FILING DATE: 05/15/2003
 PATENT NUMBER: 6929448 ISSUE DATE: 08/16/2005
 TITLE: BLOWER ASSEMBLY INCLUDING EXHAUST RESTRICTION DEVICE

APPLICATION NUMBER: 10549800 FILING DATE: 08/14/2006
 PATENT NUMBER: 7579734 ISSUE DATE: 08/25/2009
 TITLE: APPARATUS AND METHOD THAT PREVENT FLUX REVERSAL IN THE STATOR BACK MATERIAL OF A TWO-PHASE SRM (TPSRM)

APPLICATION NUMBER: 10601829 FILING DATE: 06/23/2003
 PATENT NUMBER: 7152711 ISSUE DATE: 12/26/2006
 TITLE: SPLINE LUBRICATION APPARATUS FOR LUBRICATING A SPLINE

APPLICATION NUMBER: 10604001 FILING DATE: 06/20/2003
 PATENT NUMBER: 7084540 ISSUE DATE: 08/01/2006
 TITLE: MAGNET MOTOR AND METHOD OF ASSEMBLY

APPLICATION NUMBER: 10615815 FILING DATE: 07/09/2003
 PATENT NUMBER: 6989649 ISSUE DATE: 01/24/2006
 TITLE: SWITCH ASSEMBLY, ELECTRIC MACHINE HAVING THE SWITCH ASSEMBLY, AND METHOD OF CONTROLLING THE SAME

APPLICATION NUMBER: 10623723 FILING DATE: 07/21/2003
 PATENT NUMBER: 6908281 ISSUE DATE: 06/21/2005
 TITLE: BLOWER HOUSING FOR FURNACE BLOWER ASSEMBLY

APPLICATION NUMBER: 10625926 FILING DATE: 07/24/2003
 PATENT NUMBER: 6940198 ISSUE DATE: 09/06/2005
 TITLE: BRUSHLESS PERMANENT MAGNET MACHINE WITH REDUCED COGGING AND TORQUE RIPPLE AND METHOD OF PRODUCING THE SAME

APPLICATION NUMBER: 10626326 FILING DATE: 07/24/2003
 PATENT NUMBER: 6867525 ISSUE DATE: 03/15/2005
 TITLE: BRUSHLESS PERMANENT MAGNET MACHINE WITH AXIAL MODULES OF ROTOR MAGNETIZATION SKEW AND METHOD OF PRODUCING THE SAME

APPLICATION NUMBER: 10662052 FILING DATE: 09/12/2003
 PATENT NUMBER: 7102324 ISSUE DATE: 09/05/2006
 TITLE: FIXED SPEED DRIVE

APPLICATION NUMBER: 10691818 FILING DATE: 10/23/2003
 PATENT NUMBER: 7148598 ISSUE DATE: 12/12/2006
 TITLE: SPOKE PERMANENT MAGNET ROTORS FOR ELECTRICAL MACHINES AND METHODS OF MANUFACTURING SAME

APPLICATION NUMBER: 10696132 FILING DATE: 10/29/2003
 PATENT NUMBER: 6975049 ISSUE DATE: 12/13/2005
 TITLE: ELECTRICAL MACHINE AND METHOD OF MANUFACTURING THE SAME

APPLICATION NUMBER: 10730153 FILING DATE: 12/08/2003
 PATENT NUMBER: 6982532 ISSUE DATE: 01/03/2006
 TITLE: ELECTRIC MACHINE

APPLICATION NUMBER: 10731369	FILING DATE: 12/09/2003
PATENT NUMBER: 6943524	ISSUE DATE: 09/13/2005
TITLE: SWITCHED RELUCTANCE MOTOR REGULATION	
APPLICATION NUMBER: 10757886	FILING DATE: 01/15/2004
PATENT NUMBER: 6873131	ISSUE DATE: 03/29/2005
TITLE: DUAL VOLTAGE ELECTRIC MOTORS	
APPLICATION NUMBER: 10763452	FILING DATE: 01/23/2004
PATENT NUMBER: 7042180	ISSUE DATE: 05/09/2006
TITLE: BRUSHLESS AND SENSORLESS DC MOTOR CONTROL SYSTEM WITH LOCKED AND STOPPED ROTOR DETECTION	
APPLICATION NUMBER: 10789314	FILING DATE: 02/27/2004
PATENT NUMBER: 7045979	ISSUE DATE: 05/16/2006
TITLE: MULTIPLE-SPEED ELECTRIC MACHINE AND METHOD OF OPERATING THE SAME	
APPLICATION NUMBER: 10802054	FILING DATE: 03/17/2004
PATENT NUMBER: 7015615	ISSUE DATE: 03/21/2006
TITLE: APPARATUS AND METHOD THAT PREVENT FLUX REVERSAL IN THE STATOR BACK MATERIAL OF A TWO-PHASE SRM (TPSRM)	
APPLICATION NUMBER: 10818919	FILING DATE: 04/06/2004
PATENT NUMBER: 6933638	ISSUE DATE: 08/23/2005
TITLE: ELECTRIC MOTOR HAVING A REVERSE AIR FLOW COOLING SYSTEM	
APPLICATION NUMBER: 10838544	FILING DATE: 05/04/2004
PATENT NUMBER: 7128526	ISSUE DATE: 10/31/2006
TITLE: ANTI-REVERSE FLOW MECHANISM FOR CENTRIFUGAL BLOWERS	
APPLICATION NUMBER: 10902336	FILING DATE: 07/29/2004
PATENT NUMBER: 7355520	ISSUE DATE: 04/08/2008
TITLE: MOTOR DIAGNOSTIC INDICATOR	
APPLICATION NUMBER: 10914462	FILING DATE: 08/09/2004
PATENT NUMBER: 7247967	ISSUE DATE: 07/24/2007
TITLE: ELECTRIC MOTOR HAVING A STATOR	
APPLICATION NUMBER: 10923229	FILING DATE: 08/20/2004
PATENT NUMBER: 7109621	ISSUE DATE: 09/19/2006
TITLE: ELECTRIC MOTOR HAVING A PRINTED CIRCUIT BOARD ATTACHED TO A STATOR AND AT LEAST PARTIALLY SUPPORTING A BEARING	
APPLICATION NUMBER: 10934004	FILING DATE: 09/03/2004
PATENT NUMBER: 7278823	ISSUE DATE: 10/09/2007
TITLE: DRAFT INDUCER BLOWER	
APPLICATION NUMBER: 10934070	FILING DATE: 09/03/2004
PATENT NUMBER: 7210903	ISSUE DATE: 05/01/2007
TITLE: LOBED JOINT DRAFT INDUCER BLOWER	
APPLICATION NUMBER: 10945759	FILING DATE: 09/21/2004
PATENT NUMBER: 7157827	ISSUE DATE: 01/02/2007
TITLE: SPOKE PERMANENT MAGNET ROTOR	
APPLICATION NUMBER: 10976010	FILING DATE: 10/28/2004
PATENT NUMBER: 7271560	ISSUE DATE: 09/18/2007
TITLE: ASSEMBLY FOR MOVING A BARRIER AND METHOD OF CONTROLLING THE SAME	

APPLICATION NUMBER: 10979494 FILING DATE: 11/02/2004
PATENT NUMBER: 7161316 ISSUE DATE: 01/09/2007
TITLE: METHOD AND APPARATUS FOR DISCRETE SPEED COMPENSATED TORQUE STEP
MOTOR CONTROL

APPLICATION NUMBER: 10982454 FILING DATE: 11/05/2004
PATENT NUMBER: 7182574 ISSUE DATE: 02/27/2007
TITLE: DRAFT INDUCER BLOWER WITH FASTENER RETENTION

APPLICATION NUMBER: 10995557 FILING DATE: 11/24/2004
PATENT NUMBER: 7034422 ISSUE DATE: 04/25/2006
TITLE: RADIAL-AXIAL ELECTROMAGNETIC FLUX ELECTRIC MOTOR, COAXIAL
ELECTROMAGNETIC FLUX ELECTRIC MOTOR, AND ROTOR FOR SAME

APPLICATION NUMBER: 10996043 FILING DATE: 11/24/2004
PATENT NUMBER: 7271564 ISSUE DATE: 09/18/2007
TITLE: METHOD, APPARATUS, AND SYSTEM FOR DRIVE CONTROL, POWER
CONVERSION, AND START-UP CONTROL IN AN SRM OR PMBDCM DRIVE
SYSTEM

APPLICATION NUMBER: 10996065 FILING DATE: 11/24/2004
PATENT NUMBER: 7372232 ISSUE DATE: 05/13/2008
TITLE: APPARATUS FOR DRIVE CONTROL, POWER CONVERSION, AND START-UP
CONTROL IN A PMBDCM OR TWO-PHASE SRM DRIVE SYSTEM

APPLICATION NUMBER: 10996108 FILING DATE: 11/23/2004
PATENT NUMBER: 7414191 ISSUE DATE: 08/19/2008
TITLE: ELECTRICAL-COMPONENT ASSEMBLY AND METHOD OF ASSEMBLING THE SAME

APPLICATION NUMBER: 10999218 FILING DATE: 11/24/2004
PATENT NUMBER: 7420308 ISSUE DATE: 09/02/2008
TITLE: PMBDCM AND TWO PHASE SRM MOTOR, TWO PHASE SRM ROTOR AND STATOR,
AND COIL WRAP FOR PMBDCM AND SRM MOTORS

APPLICATION NUMBER: 10999646 FILING DATE: 11/24/2004
PATENT NUMBER: 7412339 ISSUE DATE: 08/12/2008
TITLE: METHOD AND APPARATUS FOR IDENTIFYING AN OPERATIONAL PHASE OF A
MOTOR PHASE WINDING AND CONTROLLING ENERGIZATION OF THE PHASE
WINDING

APPLICATION NUMBER: 11008491 FILING DATE: 12/09/2004
PATENT NUMBER: 7034500 ISSUE DATE: 04/25/2006
TITLE: ELECTRIC DRIVE ASSEMBLY

APPLICATION NUMBER: 11039664 FILING DATE: 01/19/2005
PATENT NUMBER: 7268505 ISSUE DATE: 09/11/2007
TITLE: ELECTRIC MACHINE AND METHOD OF OPERATING THE ELECTRIC MACHINE

APPLICATION NUMBER: 11069824 FILING DATE: 02/28/2005
PATENT NUMBER: 7182314 ISSUE DATE: 02/27/2007
TITLE: APPARATUS FOR ACTUATING A VALVE

APPLICATION NUMBER: 11071950 FILING DATE: 03/04/2005
PATENT NUMBER: 7143503 ISSUE DATE: 12/05/2006
TITLE: BRUSHLESS PERMANENT MAGNET MACHINE WITH AXIAL MODULES OF ROTOR
MAGNETIZATION SKEW AND METHOD OF PRODUCING THE SAME

APPLICATION NUMBER: 11081165 FILING DATE: 03/16/2005
 PATENT NUMBER: 7042192 ISSUE DATE: 05/09/2006
 TITLE: SWITCH ASSEMBLY, ELECTRIC MACHINE HAVING THE SWITCH ASSEMBLY,
 AND METHOD OF CONTROLLING THE SAME

APPLICATION NUMBER: 11102070 FILING DATE: 04/08/2005
 PATENT NUMBER: 8177520 ISSUE DATE: 05/15/2012
 TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 11142136 FILING DATE: 05/31/2005
 PATENT NUMBER: 7573217 ISSUE DATE: 08/11/2009
 TITLE: METHODS AND SYSTEMS FOR AUTOMATIC ROTATION DIRECTION
 DETERMINATION OF ELECTRONICALLY COMMUTATED MOTOR

APPLICATION NUMBER: 11142422 FILING DATE: 05/31/2005
 PATENT NUMBER: 7358634 ISSUE DATE: 04/15/2008
 TITLE: ENCLOSURE FOR AN ELECTRIC MOTOR THAT INCORPORATES A MID SHIELD

APPLICATION NUMBER: 11142569 FILING DATE: 05/31/2005
 PATENT NUMBER: 7180215 ISSUE DATE: 02/20/2007
 TITLE: MID SHIELD FOR AN ELECTRIC MOTOR

APPLICATION NUMBER: 11142570 FILING DATE: 05/31/2005
 PATENT NUMBER: 7420302 ISSUE DATE: 09/02/2008
 TITLE: MID SHIELD BEARING SUPPORT FOR AN ELECTRIC MOTOR

APPLICATION NUMBER: 11142571 FILING DATE: 05/31/2005
 PATENT NUMBER: 7256522 ISSUE DATE: 08/14/2007
 TITLE: MOTOR CONTROL PACKAGING FOR AN ELECTRIC MOTOR

APPLICATION NUMBER: 11142611 FILING DATE: 05/31/2005
 PATENT NUMBER: 7352095 ISSUE DATE: 04/01/2008
 TITLE: ELECTRIC MOTOR THAT PROVIDES MOTOR LENGTH REDUCTION

APPLICATION NUMBER: 11151467 FILING DATE: 06/13/2005
 PATENT NUMBER: 7669311 ISSUE DATE: 03/02/2010
 TITLE: METHOD OF MANUFACTURING A CORE FOR AN ELECTRICAL MACHINE

APPLICATION NUMBER: 11167503 FILING DATE: 06/27/2005
 PATENT NUMBER: 7098567 ISSUE DATE: 08/29/2006
 TITLE: BRUSHLESS PERMANENT MAGNET MACHINE WITH REDUCED COGGING AND
 TORQUE RIPPLE AND METHOD OF PRODUCING THE SAME

APPLICATION NUMBER: 11216781 FILING DATE: 08/31/2005
 PATENT NUMBER: 7354244 ISSUE DATE: 04/08/2008
 TITLE: BLOWER AND METHOD OF CONVEYING FLUIDS

APPLICATION NUMBER: 11262635 FILING DATE: 10/31/2005
 PATENT NUMBER: 7610671 ISSUE DATE: 11/03/2009
 TITLE: METHOD FOR ASSEMBLING AN ELECTRIC MOTOR USING A SLIP FIT
 TOLERANCE RING

APPLICATION NUMBER: 11263340 FILING DATE: 10/31/2005
 PATENT NUMBER: 7348706 ISSUE DATE: 03/25/2008
 TITLE: STATOR ASSEMBLY FOR AN ELECTRIC MACHINE AND METHOD OF
 MANUFACTURING THE SAME

APPLICATION NUMBER: 11266931 FILING DATE: 11/04/2005
 PATENT NUMBER: 7259487 ISSUE DATE: 08/21/2007
 TITLE: ELECTRIC MACHINE INCLUDING CIRCUIT BOARD MOUNTING MEANS

APPLICATION NUMBER: 11297259 FILING DATE: 12/08/2005
 PATENT NUMBER: 7709991 ISSUE DATE: 05/04/2010
 TITLE: ROTOR ASSEMBLY FOR AN ELECTRIC MACHINE INCLUDING A VIBRATION
 DAMPING MEMBER AND METHOD OF MANUFACTURING SAME

APPLICATION NUMBER: 11343830 FILING DATE: 01/31/2006
 PATENT NUMBER: 7508103 ISSUE DATE: 03/24/2009
 TITLE: ELECTRIC MACHINE HAVING A TILTED VOLTAGE ADJUSTMENT

APPLICATION NUMBER: 11346909 FILING DATE: 02/03/2006
 PATENT NUMBER: 7861708 ISSUE DATE: 01/04/2011
 TITLE: DRAFT INDUCER BLOWER MOUNTING FEATURE WHICH REDUCES OVERALL
 SYSTEM VIBRATION

APPLICATION NUMBER: 11348958 FILING DATE: 02/07/2006
 PATENT NUMBER: 8133034 ISSUE DATE: 03/13/2012
 TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 11357387 FILING DATE: 02/17/2006
 PATENT NUMBER: 7077708 ISSUE DATE: 07/18/2006
 TITLE: CONNECTOR ASSEMBLY

APPLICATION NUMBER: 11360204 FILING DATE: 02/23/2006
 PATENT NUMBER: 7535186 ISSUE DATE: 05/19/2009
 TITLE: METHODS AND SYSTEMS FOR CONTROLLING OPERATION OF ELECTRONICALLY
 COMMUTATED MOTORS

APPLICATION NUMBER: 11365062 FILING DATE: 03/01/2006
 PATENT NUMBER: 7436138 ISSUE DATE: 10/14/2008
 TITLE: METHODS AND SYSTEMS FOR EMULATING AN INDUCTION MOTOR UTILIZING
 AN ELECTRONICALLY COMMUTATED MOTOR

APPLICATION NUMBER: 11379607 FILING DATE: 04/21/2006
 PATENT NUMBER: 7514887 ISSUE DATE: 04/07/2009
 TITLE: ELECTRICAL MACHINE AND METHOD OF CONTROLLING THE SAME

APPLICATION NUMBER: 11420256 FILING DATE: 05/25/2006
 PATENT NUMBER: 7638913 ISSUE DATE: 12/29/2009
 TITLE: ROTOR CORE WITH SPACERS

APPLICATION NUMBER: 11426602 FILING DATE: 06/27/2006
 PATENT NUMBER: 7183687 ISSUE DATE: 02/27/2007
 TITLE: BRUSHLESS PERMANENT MAGNET MACHINE WITH REDUCED COGGING AND
 TORQUE RIPPLE AND METHOD OF PRODUCING THE SAME

APPLICATION NUMBER: 11427977 FILING DATE: 06/30/2006
 PATENT NUMBER: 7843157 ISSUE DATE: 11/30/2010
 TITLE: METHODS AND APPARATUS FOR PROVIDING MOTOR CONTROL SIGNALS

APPLICATION NUMBER: 11462526 FILING DATE: 08/04/2006
 PATENT NUMBER: 7247964 ISSUE DATE: 07/24/2007
 TITLE: ELECTRICAL MACHINE WITH MAGNETIZED ROTOR

APPLICATION NUMBER: 11464293 FILING DATE: 08/14/2006
PATENT NUMBER: 7307366 ISSUE DATE: 12/11/2007
TITLE: BRUSHLESS PERMANENT MAGNET MACHINE WITH AXIAL MODULES OF ROTOR
MAGNETIZATION SKEW AND METHOD OF PRODUCING THE SAME

APPLICATION NUMBER: 11468819 FILING DATE: 08/31/2006
PATENT NUMBER: 7508156 ISSUE DATE: 03/24/2009
TITLE: ELECTRICAL MACHINE HAVING A SERIES CHOPPER CIRCUIT

APPLICATION NUMBER: 11501214 FILING DATE: 08/08/2006
PATENT NUMBER: 7327118 ISSUE DATE: 02/05/2008
TITLE: ELECTRIC MACHINE AND METHOD OF OPERATING THE ELECTRIC MACHINE

APPLICATION NUMBER: 11549499 FILING DATE: 10/13/2006
PATENT NUMBER: ISSUE DATE:
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 11549537 FILING DATE: 10/13/2006
PATENT NUMBER: 7690897 ISSUE DATE: 04/06/2010
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 11561585 FILING DATE: 11/20/2006
PATENT NUMBER: 7332845 ISSUE DATE: 02/19/2008
TITLE: SPOKE PERMANENT MAGNET ROTOR

APPLICATION NUMBER: 11564705 FILING DATE: 11/29/2006
PATENT NUMBER: 7466089 ISSUE DATE: 12/16/2008
TITLE: METHODS AND SYSTEMS FOR CONTROLLING AN ELECTRONICALLY COMMUTATED
MOTOR

APPLICATION NUMBER: 11564746 FILING DATE: 11/29/2006
PATENT NUMBER: 7482770 ISSUE DATE: 01/27/2009
TITLE: METHODS AND SYSTEMS FOR PROVIDING PWM CONTROL SIGNALS TO AN
ELECTRONICALLY COMMUTATED MOTOR

APPLICATION NUMBER: 11613032 FILING DATE: 12/19/2006
PATENT NUMBER: 7671555 ISSUE DATE: 03/02/2010
TITLE: MOTOR, A METHOD OF OPERATING A MOTOR, AND A SYSTEM INCLUDING A
MOTOR

APPLICATION NUMBER: 11626755 FILING DATE: 01/24/2007
PATENT NUMBER: 7427844 ISSUE DATE: 09/23/2008
TITLE: SWITCH ASSEMBLY, ELECTRIC MACHINE HAVING THE SWITCH ASSEMBLY,
AND METHOD OF CONTROLLING THE SAME

APPLICATION NUMBER: 11646191 FILING DATE: 12/27/2006
PATENT NUMBER: ISSUE DATE:
TITLE: SPLINE LUBRICATION APPARATUS FOR LUBRICATING A SPLINE

APPLICATION NUMBER: 11672256 FILING DATE: 02/07/2007
PATENT NUMBER: ISSUE DATE:
TITLE: MOTOR

APPLICATION NUMBER: 11683674 FILING DATE: 03/08/2007
PATENT NUMBER: 8030862 ISSUE DATE: 10/04/2011
TITLE: METHODS AND SYSTEMS FOR OPERATING DIRECT CURRENT MOTORS

APPLICATION NUMBER: 11684245 FILING DATE: 03/09/2007
PATENT NUMBER: 7675257 ISSUE DATE: 03/09/2010
TITLE: METHODS AND SYSTEMS FOR RECORDING OPERATING INFORMATION OF AN
ELECTRONICALLY COMMUTATED MOTOR

APPLICATION NUMBER: 11718325 FILING DATE: 04/15/2008
PATENT NUMBER: 8080964 ISSUE DATE: 12/20/2011
TITLE: NEURAL NETWORK AND METHOD FOR ESTIMATING REGIONS OF MOTOR
OPERATION FROM INFORMATION CHARACTERIZING THE MOTOR

APPLICATION NUMBER: 11718326 FILING DATE: 02/09/2009
PATENT NUMBER: 8203302 ISSUE DATE: 06/19/2012
TITLE: SYSTEM AND METHOD FOR CONTROLLING FOUR-QUADRANT OPERATION OF A
SWITCHED RELUCTANCE MOTOR DRIVE THROUGH A SINGLE CONTROLLABLE
SWITCH

APPLICATION NUMBER: 11734901 FILING DATE: 04/13/2007
PATENT NUMBER: 7687965 ISSUE DATE: 03/30/2010
TITLE: ELECTRIC MACHINE, STATOR ASSEMBLY FOR AN ELECTRIC MACHINE, AND
METHOD OF MANUFACTURING THE SAME

APPLICATION NUMBER: 11756898 FILING DATE: 06/01/2007
PATENT NUMBER: 8035273 ISSUE DATE: 10/11/2011
TITLE: ROTOR ASSEMBLY HAVING TWO CORE PORTIONS EACH WITH A REDUCED BACK
PORTION

APPLICATION NUMBER: 11759730 FILING DATE: 06/07/2007
PATENT NUMBER: 7541701 ISSUE DATE: 06/02/2009
TITLE: TOTALLY ENCLOSED FAN COOLED MOTOR

APPLICATION NUMBER: 11776296 FILING DATE: 07/11/2007
PATENT NUMBER: 7737598 ISSUE DATE: 06/15/2010
TITLE: ELECTRIC MOTOR HAVING A STATOR

APPLICATION NUMBER: 11799455 FILING DATE: 05/01/2007
PATENT NUMBER: 7845250 ISSUE DATE: 12/07/2010
TITLE: TRANSMISSION APPARATUS

APPLICATION NUMBER: 11935726 FILING DATE: 11/06/2007
PATENT NUMBER: 8025049 ISSUE DATE: 09/27/2011
TITLE: HIGH EFFICIENCY FURNACE HAVING A BLOWER HOUSING WITH AN ENLARGED
AIR OUTLET OPENING

APPLICATION NUMBER: 11950952 FILING DATE: 12/05/2007
PATENT NUMBER: 7852038 ISSUE DATE: 12/14/2010
TITLE: SINGLE SWITCH CONTROLLED SWITCHED RELUCTANCE MACHINE

APPLICATION NUMBER: 11955853 FILING DATE: 12/13/2007
PATENT NUMBER: 7786635 ISSUE DATE: 08/31/2010
TITLE: MOTOR FOR HIGH MOISTURE APPLICATIONS

APPLICATION NUMBER: 11957766 FILING DATE: 12/17/2007
PATENT NUMBER: 8344582 ISSUE DATE: 01/01/2013
TITLE: ELECTRIC MACHINE WITH TEETH AND BRIDGES

APPLICATION NUMBER: 12019117 FILING DATE: 01/24/2008
PATENT NUMBER: 8288975 ISSUE DATE: 10/16/2012
TITLE: BLDC MOTOR WITH A SIMULATED TAPPED WINDING INTERFACE

APPLICATION NUMBER: 12020104 FILING DATE: 01/25/2008
 PATENT NUMBER: 7791234 ISSUE DATE: 09/07/2010
 TITLE: MOTOR END FRAME ASSEMBLY AND MOTOR INCORPORATING THE SAME

APPLICATION NUMBER: 12028462 FILING DATE: 02/08/2008
 PATENT NUMBER: 7468570 ISSUE DATE: 12/23/2008
 TITLE: STATOR ASSEMBLY FOR AN ELECTRIC MACHINE AND METHOD OF
 MANUFACTURING THE SAME

APPLICATION NUMBER: 12045566 FILING DATE: 03/10/2008
 PATENT NUMBER: 8029290 ISSUE DATE: 10/04/2011
 TITLE: METHODS AND APPARATUS FOR COUPLING CAPACITORS

APPLICATION NUMBER: 12050087 FILING DATE: 03/17/2008
 PATENT NUMBER: 7932658 ISSUE DATE: 04/26/2011
 TITLE: INTERIOR PERMANENT MAGNET MOTOR INCLUDING ROTOR WITH FLUX
 BARRIERS

APPLICATION NUMBER: 12060659 FILING DATE: 04/01/2008
 PATENT NUMBER: 8277175 ISSUE DATE: 10/02/2012
 TITLE: COMBUSTION AIR SUPPLY BLOWER WITH ACCESS COVER AND MOTOR AND FAN
 ASSEMBLY

APPLICATION NUMBER: 12109793 FILING DATE: 04/25/2008
 PATENT NUMBER: 7923875 ISSUE DATE: 04/12/2011
 TITLE: ASSEMBLY FOR AN ELECTRIC MACHINE

APPLICATION NUMBER: 12114460 FILING DATE: 05/02/2008
 PATENT NUMBER: 7923881 ISSUE DATE: 04/12/2011
 TITLE: INTERIOR PERMANENT MAGNET MOTOR AND ROTOR

APPLICATION NUMBER: 12135750 FILING DATE: 06/09/2008
 PATENT NUMBER: 7821176 ISSUE DATE: 10/26/2010
 TITLE: ELECTRIC MOTOR, STATOR FOR AN ELECTRIC MOTOR AND METHOD OF
 MANUFACTURING SAME

APPLICATION NUMBER: 12151433 FILING DATE: 05/06/2008
 PATENT NUMBER: 8371755 ISSUE DATE: 02/12/2013
 TITLE: SLEEVE BEARING DEVICE

APPLICATION NUMBER: 12151591 FILING DATE: 05/07/2008
 PATENT NUMBER: 8251854 ISSUE DATE: 08/28/2012
 TITLE: TRANSMISSION APPARATUS

APPLICATION NUMBER: 12157334 FILING DATE: 06/09/2008
 PATENT NUMBER: 8087424 ISSUE DATE: 01/03/2012
 TITLE: SUBSEA VALVE ACTUATOR APPARATUS

APPLICATION NUMBER: 12157597 FILING DATE: 06/11/2008
 PATENT NUMBER: ISSUE DATE:
 TITLE: MANUAL VALVE OPERATOR WITH OVERRIDE CLUTCH APPARATUS

APPLICATION NUMBER: 12168674 FILING DATE: 07/07/2008
 PATENT NUMBER: 7898131 ISSUE DATE: 03/01/2011
 TITLE: EXTERNAL VOLTAGE CHANGE DEVICE

APPLICATION NUMBER: 12171918 FILING DATE: 07/11/2008
 PATENT NUMBER: 7952251 ISSUE DATE: 05/31/2011
 TITLE: SYSTEMS AND METHODS FOR SHIELDING AN ELECTRIC MACHINE

APPLICATION NUMBER: 12178161 FILING DATE: 07/23/2008
PATENT NUMBER: 8001958 ISSUE DATE: 08/23/2011
TITLE: FURNACE AIR HANDLER BLOWER HOUSING WITH AN ENLARGED AIR OUTLET
OPENING

APPLICATION NUMBER: 12188336 FILING DATE: 08/08/2008
PATENT NUMBER: 8143828 ISSUE DATE: 03/27/2012
TITLE: RETROFIT MOTOR SYSTEM FOR HEATING, VENTILATION, AND AIR
CONDITIONING APPLICATIONS

APPLICATION NUMBER: 12201486 FILING DATE: 08/29/2008
PATENT NUMBER: 8368331 ISSUE DATE: 02/05/2013
TITLE: METHODS AND APPARATUS FOR MONITORING AVERAGE CURRENT AND INPUT
POWER IN AN ELECTRONICALLY COMMUTATED MOTOR

APPLICATION NUMBER: 12323250 FILING DATE: 11/25/2008
PATENT NUMBER: ISSUE DATE: 06/25/2013
TITLE: SYSTEMS AND METHODS FOR CONTROLLING OPERATION OF A MOTOR

APPLICATION NUMBER: 12330944 FILING DATE: 12/09/2008
PATENT NUMBER: 8080912 ISSUE DATE: 12/20/2011
TITLE: METHODS AND APPARATUS FOR REDUCING THE SIZE OF ELECTRIC MOTORS

APPLICATION NUMBER: 12333719 FILING DATE: 12/12/2008
PATENT NUMBER: 7821175 ISSUE DATE: 10/26/2010
TITLE: STATOR ASSEMBLY FOR AN ELECTRIC MACHINE AND METHOD OF
MANUFACTURING THE SAME

APPLICATION NUMBER: 12353833 FILING DATE: 01/14/2009
PATENT NUMBER: ISSUE DATE:
TITLE: END SHIELD AND INNER BEARING CAP ASSEMBLY

APPLICATION NUMBER: 12358657 FILING DATE: 01/23/2009
PATENT NUMBER: 8067912 ISSUE DATE: 11/29/2011
TITLE: INTERFACE CORD AND SYSTEM INCLUDING AN INTERFACE CORD

APPLICATION NUMBER: 12358692 FILING DATE: 01/23/2009
PATENT NUMBER: 8067911 ISSUE DATE: 11/29/2011
TITLE: INTERFACE CORD AND SYSTEM INCLUDING AN INTERFACE CORD

APPLICATION NUMBER: 12358802 FILING DATE: 01/23/2009
PATENT NUMBER: 8215921 ISSUE DATE: 07/10/2012
TITLE: METHODS AND SYSTEMS FOR DEFOGGING TRANSPARENT DOORS IN DISPLAY
CASES

APPLICATION NUMBER: 12374840 FILING DATE: 01/23/2009
PATENT NUMBER: 8063593 ISSUE DATE: 11/22/2011
TITLE: INTERFACE CORD AND SYSTEM INCLUDING AN INTERFACE CORD

APPLICATION NUMBER: 12398675 FILING DATE: 03/05/2009
PATENT NUMBER: 8084970 ISSUE DATE: 12/27/2011
TITLE: ELECTRICAL MACHINE AND METHOD OF CONTROLLING THE SAME

APPLICATION NUMBER: 12474583 FILING DATE: 05/29/2009
PATENT NUMBER: ISSUE DATE:
TITLE: NON-DILUTION BLOWER APPARATUS FOR HIGH EFFICIENCY WATER HEATER

APPLICATION NUMBER: 12499731 FILING DATE: 07/08/2009
PATENT NUMBER: 8111029 ISSUE DATE: 02/07/2012
TITLE: METHODS AND SYSTEMS FOR AUTOMATIC ROTATION DIRECTION
DETERMINATION OF ELECTRONICALLY COMMUTATED MOTOR

APPLICATION NUMBER: 12506330 FILING DATE: 07/21/2009
PATENT NUMBER: 8353678 ISSUE DATE: 01/15/2013
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 12506349 FILING DATE: 07/21/2009
PATENT NUMBER: 8282361 ISSUE DATE: 10/09/2012
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 12506362 FILING DATE: 07/21/2009
PATENT NUMBER: ISSUE DATE:
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 12506372 FILING DATE: 07/21/2009
PATENT NUMBER: 8177519 ISSUE DATE: 05/15/2012
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 12512890 FILING DATE: 07/30/2009
PATENT NUMBER: 8102091 ISSUE DATE: 01/24/2012
TITLE: INTERIOR PERMANENT MAGNET MOTOR INCLUDING ROTOR WITH UNEQUAL
POLES

APPLICATION NUMBER: 12565542 FILING DATE: 09/23/2009
PATENT NUMBER: 8324769 ISSUE DATE: 12/04/2012
TITLE: MOTOR CONTROLLER FOR AN ELECTRIC MOTOR

APPLICATION NUMBER: 12566292 FILING DATE: 09/24/2009
PATENT NUMBER: 8354809 ISSUE DATE: 01/15/2013
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 12601903 FILING DATE: 11/25/2009
PATENT NUMBER: ISSUE DATE:
TITLE: SWITCHED RELUCTANCE MACHINES WITH MINIMUM STATOR CORE

APPLICATION NUMBER: 12625111 FILING DATE: 11/24/2009
PATENT NUMBER: ISSUE DATE:
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 12631415 FILING DATE: 12/04/2009
PATENT NUMBER: ISSUE DATE:
TITLE: HIGH EFFICIENCY FURNACE/AIR HANDLER BLOWER HOUSING WITH A SIDE
WALL HAVING AN EXPONENTIALLY INCREASING EXPANSION ANGLE

APPLICATION NUMBER: 12672688 FILING DATE: 02/09/2010
PATENT NUMBER: 8264182 ISSUE DATE: 09/11/2012
TITLE: MOTOR POWER FACTOR CORRECTION APPARATUS AND METHOD

APPLICATION NUMBER: 12672690 FILING DATE: 02/09/2010
PATENT NUMBER: 8319456 ISSUE DATE: 11/27/2012
TITLE: METHOD, CONTROLLER, AND POWER CONVERTER FOR CONTROLLING A
SINGLE-SWITCH BASED SWITCHED RELUCTANCE MACHINE

APPLICATION NUMBER: 12672694 FILING DATE: 02/09/2010
PATENT NUMBER: ISSUE DATE:
TITLE: SINGLE SWITCH CONTROLLED SWITCHED RELUCTANCE MACHINE

APPLICATION NUMBER: 12688443 FILING DATE: 01/15/2010
PATENT NUMBER: 8269448 ISSUE DATE: 09/18/2012
TITLE: METHODS AND SYSTEMS FOR RECORDING OPERATING INFORMATION OF AN
ELECTRIC MOTOR

APPLICATION NUMBER: 12751275 FILING DATE: 03/31/2010
PATENT NUMBER: 8360736 ISSUE DATE: 01/29/2013
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 12786720 FILING DATE: 05/25/2010
PATENT NUMBER: ISSUE DATE:
TITLE: RESILIENT ROTOR ASSEMBLY FOR INTERIOR PERMANENT MAGNET MOTOR

APPLICATION NUMBER: 12844021 FILING DATE: 07/27/2010
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND SYSTEMS FOR TRANSIENT VOLTAGE PROTECTION

APPLICATION NUMBER: 12851231 FILING DATE: 08/05/2010
PATENT NUMBER: ISSUE DATE:
TITLE: HIGH EFFICIENCY BLOWER HOUSING WITH UNEQUAL SIZE INLET OPENINGS

APPLICATION NUMBER: 12853643 FILING DATE: 08/10/2010
PATENT NUMBER: ISSUE DATE:
TITLE: CONTROLLER FOR A MOTOR AND A METHOD OF CONTROLLING THE MOTOR

APPLICATION NUMBER: 12875877 FILING DATE: 09/03/2010
PATENT NUMBER: ISSUE DATE:
TITLE: LOW PROFILE, HIGH EFFICIENCY BLOWER ASSEMBLY

APPLICATION NUMBER: 12893533 FILING DATE: 09/29/2010
PATENT NUMBER: ISSUE DATE:
TITLE: AIR COOLED ELECTRIC MOTOR

APPLICATION NUMBER: 12948867 FILING DATE: 11/18/2010
PATENT NUMBER: 8390161 ISSUE DATE: 03/05/2013
TITLE: ELECTRIC MOTOR HAVING A RAIN GUARD

APPLICATION NUMBER: 12962134 FILING DATE: 12/07/2010
PATENT NUMBER: ISSUE DATE:
TITLE: PERMANENT MAGNET ROTORS AND METHODS OF ASSEMBLING THE SAME

APPLICATION NUMBER: 13026424 FILING DATE: 02/14/2011
PATENT NUMBER: ISSUE DATE:
TITLE: ELECTRIC MOTOR HAVING AN END FRAME

APPLICATION NUMBER: 13026473 FILING DATE: 02/14/2011
PATENT NUMBER: ISSUE DATE:
TITLE: ELECTRIC MOTOR HAVING AN END FRAME

APPLICATION NUMBER: 13074513 FILING DATE: 03/29/2011
PATENT NUMBER: ISSUE DATE:
TITLE: PM BRUSHLESS MOTOR DRIVE CIRCUIT TOPOLOGY AND CONTROL

APPLICATION NUMBER: 13074586 FILING DATE: 03/29/2011
PATENT NUMBER: ISSUE DATE:
TITLE: HIGH DENSITY WINDINGS FOR A CONCENTRIC WOUND ELECTRICAL MACHINE
STATOR

APPLICATION NUMBER: 13074628 FILING DATE: 03/29/2011
PATENT NUMBER: ISSUE DATE:
TITLE: POWER FACTOR CORRECTION DRIVE CIRCUIT TOPOLOGIES AND CONTROL FOR
SWITCHED RELUCTANCE MACHINES

APPLICATION NUMBER: 13082683 FILING DATE: 04/08/2011
PATENT NUMBER: ISSUE DATE:
TITLE: EXTENDED LENGTH CUTOFF BLOWER

APPLICATION NUMBER: 13092240 FILING DATE: 04/22/2011
PATENT NUMBER: ISSUE DATE:
TITLE: MOTOR END FRAME

APPLICATION NUMBER: 13093189 FILING DATE: 04/25/2011
PATENT NUMBER: ISSUE DATE:
TITLE: HIGH POWER DENSITY SWITCHED RELUCTANCE MACHINES WITH HYBRID
EXCITATION

APPLICATION NUMBER: 13096537 FILING DATE: 04/28/2011
PATENT NUMBER: ISSUE DATE:
TITLE: ELECTRICAL MACHINE, METHOD OF CONTROLLING AN ELECTRICAL MACHINE,
AND SYSTEM INCLUDING AN ELECTRICAL MACHINE

APPLICATION NUMBER: 13110153 FILING DATE: 05/18/2011
PATENT NUMBER: ISSUE DATE:
TITLE: BEARING ROTATIONAL LOCK

APPLICATION NUMBER: 13114535 FILING DATE: 05/24/2011
PATENT NUMBER: ISSUE DATE:
TITLE: PERMANENT MAGNET MOTOR SYSTEM

APPLICATION NUMBER: 13117568 FILING DATE: 05/27/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND SYSTEMS FOR PROVIDING COMBINED BLOWER MOTOR AND
DRAFT INDUCER MOTOR CONTROL

APPLICATION NUMBER: 13190082 FILING DATE: 07/25/2011
PATENT NUMBER: ISSUE DATE:
TITLE: PERMANENT MAGNET ROTORS AND METHODS OF ASSEMBLING THE SAME

APPLICATION NUMBER: 13191880 FILING DATE: 07/27/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND SYSTEMS FOR CONTROLLING A MOTOR

APPLICATION NUMBER: 13197390 FILING DATE: 08/03/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND SYSTEMS FOR REDUCING LEAKAGE CURRENT

APPLICATION NUMBER: 13208034 FILING DATE: 08/11/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND SYSTEMS FOR CONTROLLING A MOTOR

APPLICATION NUMBER: 13223792 FILING DATE: 09/01/2011
PATENT NUMBER: 8336207 ISSUE DATE: 12/25/2012
TITLE: METHODS AND APPARATUS FOR COUPLING CAPACITORS

APPLICATION NUMBER: 13224813 FILING DATE: 09/02/2011
PATENT NUMBER: ISSUE DATE:
TITLE: PERMANENT MAGNET MOTORS AND METHODS OF ASSEMBLING THE SAME

APPLICATION NUMBER: 13224819 FILING DATE: 09/02/2011
PATENT NUMBER: ISSUE DATE:
TITLE: PERMANENT MAGNET MOTORS AND METHODS OF ASSEMBLING THE SAME

APPLICATION NUMBER: 13224834 FILING DATE: 09/02/2011
PATENT NUMBER: ISSUE DATE:
TITLE: PERMANENT MAGNET MOTORS AND METHODS OF ASSEMBLING THE SAME

APPLICATION NUMBER: 13275735 FILING DATE: 10/18/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND APPARATUS FOR REDUCING SIZE AND COSTS OF MOTOR CONTROLLERS FOR ELECTRIC MOTORS

APPLICATION NUMBER: 13285150 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: NOISE REDUCTION STRUCTURES FOR ELECTRICAL MACHINES

APPLICATION NUMBER: 13285176 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: ROTOR LAMINATION SHAPING FOR MINIMUM CORE LOSS IN SRMS

APPLICATION NUMBER: 13285196 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: HIGH POWER DENSITY SRM

APPLICATION NUMBER: 13285389 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND APPARATUS FOR MOUNTING A MOTOR CONTROLLER ON A STATOR ASSEMBLY

APPLICATION NUMBER: 13285524 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: INTEGRATED AUXILIARY LOAD CONTROL AND METHOD FOR CONTROLLING THE SAME

APPLICATION NUMBER: 13285529 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: PERMANENT MAGNET ROTORS AND METHODS OF ASSEMBLING THE SAME

APPLICATION NUMBER: 13285624 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: HUMAN-MACHINE INTERFACE FOR MOTOR CONTROL

APPLICATION NUMBER: 13285741 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: DIAL SWITCH FOR MOTOR CONTROL

APPLICATION NUMBER: 13285798 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: ELECTRIC MOTOR WITH MULTIPLE POWER ACCESS

APPLICATION NUMBER: 13285868 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: VARIABLE SPEED MOTOR POWER DE-RATING (LIMITING) SYSTEM AND METHOD FOR OPERATING A MOTOR WITH THE SAME

APPLICATION NUMBER: 13285907 FILING DATE: 10/31/2011
PATENT NUMBER: ISSUE DATE:
TITLE: MOTOR OPERATION FAILURE DETECTION

APPLICATION NUMBER: 13285949
 PATENT NUMBER:
 TITLE: PUMP FREEZE PROTECTION

FILING DATE: 10/31/2011
 ISSUE DATE:

APPLICATION NUMBER: 13287207
 PATENT NUMBER:
 TITLE: HIGH POWER DENSITY SRMS

FILING DATE: 11/02/2011
 ISSUE DATE:

APPLICATION NUMBER: 13287221
 PATENT NUMBER:
 TITLE: POWER FACTOR CORRECTION CIRCUITS FOR SWITCHED RELUCTANCE MACHINES

FILING DATE: 11/02/2011
 ISSUE DATE:

APPLICATION NUMBER: 13287234
 PATENT NUMBER:
 TITLE: SWITCHED RELUCTANCE AND PM BRUSHLESS DC MOTOR DRIVE CONTROL FOR ELECTRIC VEHICLE APPLICATION

FILING DATE: 11/02/2011
 ISSUE DATE:

APPLICATION NUMBER: 13295695
 PATENT NUMBER:
 TITLE: METHODS AND SYSTEMS FOR PROGRAMMING AN ELECTRIC MACHINE

FILING DATE: 11/14/2011
 ISSUE DATE:

APPLICATION NUMBER: 13295718
 PATENT NUMBER:
 TITLE: METHODS AND SYSTEMS FOR CLEANING RELAY CONTACTS

FILING DATE: 11/14/2011
 ISSUE DATE:

APPLICATION NUMBER: 13296412
 PATENT NUMBER:
 TITLE: SYSTEM AND METHOD FOR COLLECTING CHARACTERISTIC INFORMATION OF A MOTOR, NEURAL NETWORK AND METHOD FOR ESTIMATING REGIONS OF MOTOR OPERATION FROM INFORMATION CHARACTERIZING THE MOTOR, AND SYSTEM AND METHOD FOR CONTROLLING MOTOR OPERATION USING THE CHARACTERISTIC INFORMATION, THE NEURAL NETWORK, OR BOTH

FILING DATE: 11/15/2011
 ISSUE DATE:

APPLICATION NUMBER: 13328805
 PATENT NUMBER:
 TITLE: AIR CIRCULATOR POWERED BY AN ELECTRONICALLY COMMUTED MOTOR (ECM) AND ASSOCIATED METHOD OF USE

FILING DATE: 12/16/2011
 ISSUE DATE:

APPLICATION NUMBER: 13341460
 PATENT NUMBER:
 TITLE: CONNECTOR BLOCK ASSEMBLY UTILIZING A SINGLE OUTPUT AND ASSOCIATED METHOD OF USE

FILING DATE: 12/30/2011
 ISSUE DATE:

APPLICATION NUMBER: 13355239
 PATENT NUMBER:
 TITLE: FURNACE AIR HANDLER BLOWER WITH ENLARGED BACKWARD CURVED IMPELLER AND ASSOCIATED METHOD OF USE

FILING DATE: 01/20/2012
 ISSUE DATE:

APPLICATION NUMBER: 13366053
 PATENT NUMBER:
 TITLE: METHODS AND SYSTEMS FOR AUTOMATIC ROTATION DIRECTION DETERMINATION OF ELECTRONICALLY COMMUTATED MOTOR

FILING DATE: 02/03/2012
 ISSUE DATE:

APPLICATION NUMBER: 13401157
 PATENT NUMBER:
 TITLE: INTERFACE MODULE AND METHOD FOR COMMUNICATING WITH AN ELECTRIC MACHINE

FILING DATE: 02/21/2012
 ISSUE DATE:

APPLICATION NUMBER: 13407372 FILING DATE: 02/28/2012
PATENT NUMBER: ISSUE DATE:
TITLE: BLOWER FOR DOWNDRAFT COOKING APPLICATIONS AND ASSOCIATED METHOD
OF USE

APPLICATION NUMBER: 13412350 FILING DATE: 03/05/2012
PATENT NUMBER: 8362725 ISSUE DATE: 01/29/2013
TITLE: RETROFIT MOTOR SYSTEM FOR HEATING, VENTILATION, AND AIR
CONDITIONING APPLICATIONS

APPLICATION NUMBER: 13446818 FILING DATE: 04/13/2012
PATENT NUMBER: ISSUE DATE:
TITLE: ELECTRIC MACHINE STATIONARY ASSEMBLY AND METHODS OF ASSEMBLING
THE SAME

APPLICATION NUMBER: 13460911 FILING DATE: 05/01/2012
PATENT NUMBER: ISSUE DATE:
TITLE: SYSTEM AND METHOD FOR CONTROLLING FOUR-QUADRANT OPERATION OF A
SWITCHED RELUCTANCE MOTOR DRIVE THROUGH A SINGLE CONTROLLABLE
SWITCH

APPLICATION NUMBER: 13482334 FILING DATE: 05/29/2012
PATENT NUMBER: ISSUE DATE:
TITLE: PUMP MOTOR COMBINATION

APPLICATION NUMBER: 13526186 FILING DATE: 06/18/2012
PATENT NUMBER: ISSUE DATE:
TITLE: PRINTED CIRCUIT BOARD AND METHODS OF MANUFACTURING THE SAME

APPLICATION NUMBER: 13537819 FILING DATE: 06/29/2012
PATENT NUMBER: ISSUE DATE:
TITLE: SECURING DEVICE FOR USE IN AN ELECTRIC MACHINE

APPLICATION NUMBER: 13550150 FILING DATE: 07/16/2012
PATENT NUMBER: ISSUE DATE:
TITLE: POOL SYSTEM WITH USER SELECTABLE COMMUNICATION PROTOCOLS AND
METHOD OF OPERATING THE SAME

APPLICATION NUMBER: 13558106 FILING DATE: 07/25/2012
PATENT NUMBER: ISSUE DATE:
TITLE: ELECTRICAL MACHINES AND METHODS OF ASSEMBLING THE SAME

APPLICATION NUMBER: 13560263 FILING DATE: 07/27/2012
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS, SYSTEMS, AND APPARATUS FOR REDUCING COGGING TORQUE IN
AN ELECTRIC MACHINE

APPLICATION NUMBER: 13569038 FILING DATE: 08/07/2012
PATENT NUMBER: ISSUE DATE:
TITLE: END CAP FOR USE IN A STATOR ASSEMBLY AND METHOD OF ASSEMBLING
THE STATOR ASSEMBLY

APPLICATION NUMBER: 13569044 FILING DATE: 08/07/2012
PATENT NUMBER: ISSUE DATE:
TITLE: INSULATION MEMBER FOR USE WITH A STATOR ASSEMBLY AND METHOD OF
ASSEMBLING THE STATOR ASSEMBLY

APPLICATION NUMBER: 13586674 FILING DATE: 08/15/2012
PATENT NUMBER: ISSUE DATE:
TITLE: START CAPACITOR ASSEMBLIES AND METHODS FOR OPERATING ELECTRIC MOTORS

APPLICATION NUMBER: 13588607 FILING DATE: 08/17/2012
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND SYSTEMS FOR RECORDING OPERATING INFORMATION OF AN ELECTRIC MOTOR

APPLICATION NUMBER: 13609669 FILING DATE: 09/11/2012
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND SYSTEMS FOR REDUCING CONDUCTED ELECTROMAGNETIC INTERFERENCE

APPLICATION NUMBER: 13627557 FILING DATE: 09/26/2012
PATENT NUMBER: ISSUE DATE:
TITLE: FURNACE AIR HANDLER BLOWER ASSEMBLY UTILIZING A MOTOR CONNECTED TO AN IMPELLER FAN THAT IS SUSPENDED WITH MOUNTING ARMS

APPLICATION NUMBER: 13627587 FILING DATE: 09/26/2012
PATENT NUMBER: ISSUE DATE:
TITLE: BLOWER MOTOR ASSEMBLY HAVING AIR DIRECTING SURFACE

APPLICATION NUMBER: 13645038 FILING DATE: 10/04/2012
PATENT NUMBER: ISSUE DATE:
TITLE: POWER TERMINAL BLOCK

APPLICATION NUMBER: 13652035 FILING DATE: 10/15/2012
PATENT NUMBER: ISSUE DATE:
TITLE: RADially EMBEDDED PERMANENT MAGNET ROTOR AND METHODS THEREOF

APPLICATION NUMBER: 13652084 FILING DATE: 10/15/2012
PATENT NUMBER: ISSUE DATE:
TITLE: PERMANENT MAGNET ROTOR AND METHODS THEREOF

APPLICATION NUMBER: 13652127 FILING DATE: 10/15/2012
PATENT NUMBER: ISSUE DATE:
TITLE: RADially EMBEDDED PERMANENT MAGNET ROTOR AND METHODS THEREOF

APPLICATION NUMBER: 13652161 FILING DATE: 10/15/2012
PATENT NUMBER: ISSUE DATE:
TITLE: RADially EMBEDDED PERMANENT MAGNET ROTOR AND METHODS THEREOF

APPLICATION NUMBER: 13652210 FILING DATE: 10/15/2012
PATENT NUMBER: ISSUE DATE:
TITLE: RADially EMBEDDED PERMANENT MAGNET ROTOR AND METHODS THEREOF

APPLICATION NUMBER: 13652227 FILING DATE: 10/15/2012
PATENT NUMBER: ISSUE DATE:
TITLE: RADially EMBEDDED PERMANENT MAGNET ROTOR AND METHODS THEREOF

APPLICATION NUMBER: 13652904 FILING DATE: 10/16/2012
PATENT NUMBER: ISSUE DATE:
TITLE: ELECTRICAL MACHINES AND METHODS OF ASSEMBLING THE SAME

APPLICATION NUMBER: 13655131 FILING DATE: 10/18/2012
 PATENT NUMBER: ISSUE DATE:
 TITLE: METHODS AND VOLTAGE REGULATOR FOR POWER DISTRIBUTION IN A HYBRID
 SYSTEM

APPLICATION NUMBER: 13655137 FILING DATE: 10/18/2012
 PATENT NUMBER: ISSUE DATE:
 TITLE: VOLTAGE REGULATOR AND METHODS FOR SIMULATING REACTIVE POWER IN
 PARALLEL POWER GENERATION SYSTEMS

APPLICATION NUMBER: 13660026 FILING DATE: 10/25/2012
 PATENT NUMBER: ISSUE DATE:
 TITLE: DRIVE CIRCUITS AND SYSTEMS FOR MOTOR CONTROLLER PROTECTION

APPLICATION NUMBER: 13663525 FILING DATE: 10/30/2012
 PATENT NUMBER: ISSUE DATE:
 TITLE: ENTRAPMENT DETECTION FOR VARIABLE SPEED PUMP SYSTEM USING LOAD
 COEFFICIENT

APPLICATION NUMBER: 13672207 FILING DATE: 11/08/2012
 PATENT NUMBER: ISSUE DATE:
 TITLE: DRAFT INDUCER FOR LOW POWER MULTISTAGE FURNACES UTILIZING AN
 ELECTRONICALLY COMMUTATED MOTOR SYSTEM AND AN ASSOCIATED METHOD
 OF USE

APPLICATION NUMBER: 13686302 FILING DATE: 11/27/2012
 PATENT NUMBER: ISSUE DATE:
 TITLE: WIRE GUIDE FOR USE IN AN ELECTRIC MACHINE

APPLICATION NUMBER: 13687450 FILING DATE: 11/28/2012
 PATENT NUMBER: ISSUE DATE:
 TITLE: SPEED REDUCTION DEVICE

APPLICATION NUMBER: 13718780 FILING DATE: 12/18/2012
 PATENT NUMBER: ISSUE DATE:
 TITLE: SYSTEMS FOR HEATING, VENTILATION, AND AIR CONDITIONING
 APPLICATIONS

APPLICATION NUMBER: 13727154 FILING DATE: 12/26/2012
 PATENT NUMBER: ISSUE DATE:
 TITLE: ELECTRIC MACHINE WITH TEETH AND BRIDGES

APPLICATION NUMBER: 29178181 FILING DATE: 03/21/2003
 PATENT NUMBER: D491259 ISSUE DATE: 06/08/2004
 TITLE: POWER VENT WATER HEATER BLOWER

APPLICATION NUMBER: 29430648 FILING DATE: 08/28/2012
 PATENT NUMBER: D682411 ISSUE DATE: 05/14/2013
 TITLE: FAN

APPLICATION NUMBER: 61581559 FILING DATE: 12/29/2011
 PATENT NUMBER: ISSUE DATE:
 TITLE: FURNACE AIR HANDLER BLOWER WITH ENLARGED BACKWARD CURVED
 IMPELLER AND ASSOCIATED METHOD OF USE

APPLICATION NUMBER: 61582030 FILING DATE: 12/30/2011
 PATENT NUMBER: ISSUE DATE:
 TITLE: BLOWER FOR DOWNDRAFT COOKING APPLICATIONS AND ASSOCIATED METHOD
 OF USE

APPLICATION NUMBER: 61587482
PATENT NUMBER:
TITLE: ELECTRIC MOTOR

FILING DATE: 01/17/2012
ISSUE DATE:

APPLICATION NUMBER: 61592465
PATENT NUMBER:
TITLE: MOTOR AND VIBRATION REDUCTION SYSTEM FOR A MOTOR

FILING DATE: 01/30/2012
ISSUE DATE:

APPLICATION NUMBER: 61624051
PATENT NUMBER:

FILING DATE: 04/13/2012
ISSUE DATE:

TITLE: END CAP AND INSULATION MEMBER FOR USE IN A STATOR ASSEMBLY AND
METHOD OF ASSEMBLING THE STATOR ASSEMBLY

APPLICATION NUMBER: 61674087
PATENT NUMBER:

FILING DATE: 07/20/2012
ISSUE DATE:

TITLE: FURNACE AIR HANDLER BLOWER ASSEMBLY UTILIZING A MOTOR CONNECTED
TO AN IMPELLER FAN THAT IS SUSPENDED WITH MOUNTING ARMS

APPLICATION NUMBER: 61674099
PATENT NUMBER:

FILING DATE: 07/20/2012
ISSUE DATE:

TITLE: BLOWER MOTOR ASSEMBLY HAVING AIR DIRECTING SURFACE

APPLICATION NUMBER: 61694061
PATENT NUMBER:

FILING DATE: 08/28/2012
ISSUE DATE:

TITLE: FAN AND MOTOR ASSEMBLY AND METHODS THEREFOR

APPLICATION NUMBER: 61702356
PATENT NUMBER:

FILING DATE: 09/18/2012
ISSUE DATE:

TITLE: SYSTEMS AND METHOD FOR WIRELESSLY COMMUNICATING WITH ELECTRIC
MOTORS

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION