

Main Patents

■ Patents registered in 2007

Registration Number	Title of Invention	Inventor(s)
3869219	HEAT SINK-EQUIPPED COOLING APPARATUS	Toshiki Ogawara, Haruhisa Maruyama, Michinori Watanabe, Co-developed with: SASA INSTITUTION
3933348	CONTROL SYSTEM FOR INTERIOR MAGNET TYPE SYNCHRONOUS ELECTRIC MOTOR	Yuuji Ide, Akihiko Takahashi
3933643	METHOD OF TRANSMITTING DETECTED ABNORMAL STATUS USING DIFFERENTIAL TRANSMISSION CIRCUIT	Yoshi Ishizuka, Tomohito Yamazaki
3933682	STATOR FOR ROTARY ELECTRIC MACHINES	Akira Koike, Ikuo Takeshita
3942336	METHOD AND APPARATUS OF DETECTING STANDALONE OPERATION OF DISTRIBUTED POWER SOURCES	Takeshi Hama
3946240	STATOR FOR ROTARY ELECTRIC MACHINES	Masaaki Oohashi, Kouji Nakatake, Yasushi Yoda
3953503	BRUSHLESS FAN MOTOR	Naoki Murakami, Hiromitsu Kuribayashi, Katsumichi Ishihara
3959359	COUNTERROTATING AXIAL BLOWER	Honami Oosawa, Seiji Nishimura
3968037	METHOD AND APPARATUS OF CONTROLLING GENERATOR FOR DISTRIBUTED POWER SOURCES	Akinori Matsuzaki, Yuuji Wada, Hiroshi Yamada, Takeshi Hama, Co-developed with: OMRON Corporation
3983004	INTERIOR PERMANENT MAGNET TYPE SYNCHRONOUS MOTOR	Toshihito Miyashita, Satoru Onodera, Manabu Matsushita
3984398	ELECTRONIC COMPONENT COOLING APPARATUS	Yuuichi Kodaira
3993118	COUNTERROTATING AXIAL-FLOW FAN	Honami Oosawa, Katsumichi Ishihara, Toshiyuki Nakamura, Takashi Kaise, Yoshihiko Aizawa
4000144	ROTOR FOR HYBRID TYPE STEPPING MOTOR AND MANUFACTURING METHOD THEREOF	Akira Koike, Ikuo Takeshita
4008894	CONTROL BOARD FOR POWER EQUIPMENT AND POWER SUPPLY APPARATUS	Yuuzou Kubota
4024453	METHOD AND APPARATUS OF COOLING STEPPING MOTOR	Nobutoshi Nakamura, Takahisa Toda
4024537	CYCLE CONTROL SYSTEM FOR POWER OUTPUT OF AC GENERATOR	Akinori Matsuzaki, Yuuji Wada, Hiroshi Yamada
4033891	COUNTERROTATING AXIAL-FLOW FAN	Toshiya Nishizawa, Yasuhiro Maruyama, Hayato Murayama
4060252	LONG LIFE FAN MOTOR	Naruhiko Kudou, Hiromitsu Kuribayashi, Toshiya Nishizawa
4068653	ROTOR FOR MOTORS	Toshihito Miyashita
4076391	PERIODIC SIGNAL CONTROLLER AND FREQUENCY DETECTOR	Yoshiaki Okui
4076570	COUNTERROTATING AXIAL-FLOW FAN	Toshiya Nishizawa, Yasuhiro Maruyama, Hayato Murayama
U.S. Patent 7156611	COUNTERROTATING AXIAL BLOWER	Honami Oosawa, Katsumichi Ishihara, Toshiyuki Nakamura, Takashi Kaise, Yoshihiko Aizawa, Seiji Nishimura
U.S. Patent 7170746	HEAT-EMITTING ELEMENT COOLING APPARATUS	Michinori Watanabe, Toshiki Ogawara, Haruhisa Maruyama, Masayuki Iijima
U.S. Patent 7183684	PERMANENT MAGNET ROTARY MOTOR	Toshihito Miyashita, Satoru Onodera
U.S. Patent 7224141	POSITION CONTROLLER OF MOTOR	Yuuji Ide
U.S. Patent 7224171	METHOD FOR DETECTING OUTPUT CURRENT OF INVERTER AND DEVICE THEREFOR	Masahiko Nagai, Hiroyuki Hanaoka
U.S. Patent 7227286	LONG LIFE FAN MOTOR	Naruhiko Kudo, Hiromitsu Kuribayashi, Toshiya Nishizawa
U.S. Patent 7242117	LINEAR MOTOR	Satoshi Sugita, Yasushi Misawa
U.S. Patent 7251137	ELECTRONIC COMPONENT COOLING APPARATUS	Masashi Miyazawa, Kouji Ueno, Masayuki Iijima
U.S. Patent 7265511	MOTOR CONTROL DEVICE	Yuuji Ide
U.S. Patent 7276820	MOVABLE ASSEMBLY FOR CYLINDER-TYPE LINEAR MOTOR	Yu Qi Tang, Satoshi Sugita

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U.S. Patent 7276832	PERMANENT MAGNET ROTARY MOTOR	Toshihito Miyashita, Shintarou Koichi
U.S. Patent 7289915	METHOD OF ESTIMATING LOAD INERTIA FOR A MOTOR	Yuuji Ide
TWI1290019	HEAT-EMITTING ELEMENT COOLING APPARATUS	Michinori Watanabe, Toshiki Ogawara, Haruhisa Maruyama, Masayuki Iijima
Philippine Patent 1-2001-00783	BLOWER FILTER UNIT	Hiromitsu Kuribayashi, Tomoaki Ikeda, Yoshikazu Ooya
Philippine Patent 1-2001-02206	ROTARY ELECTRIC MACHINE	Honami Oosawa, Munenori Takakuwa, Ryuuji Kobayashi, Yukio Oouchi
Philippine Patent 1-2001-02330	ELECTRONIC COMPONENT COOLING APPARATUS	Yuuichi Kodaira, Haruhisa Maruyama, Naoko Ishiwatari
Philippine Patent 1-2001-02355	UNINTERRUPTIBLE POWER SYSTEM	Hiroyuki Hanaoka, Masahiko Nagai, Minoru Yanagisawa
Philippine Patent 1-2002-00221	ELECTRIC POWER CONVERSION APPARATUS	Hiroyuki Hanaoka, Narumi Yanagisawa, Hiroshi Sakaba
Philippine Patent 1-2002-00240	CONTROLLED RECTIFIER EQUIPMENT WITH SINUSOIDAL WAVEFORM SUPPLY CURRENT	Hiroyuki Hanaoka, Hiroshi Sakaba
Philippine Patent 1-2002-00494	WATERTIGHT BRUSHLESS FAN MOTOR (ELECTRONIC COMPONENT COOLING APPARATUS)	Michinori Watanabe, Toshiki Ogawara, Haruhisa Maruyama
HK1045765	UNINTERRUPTIBLE POWER SYSTEM, PARALLEL OPERATION TYPE UNINTERRUPTIBLE POWER SYSTEM, INVERTER SYSTEM, AND PARALLEL OPERATION TYPE INVERTER SYSTEM	Hiroyuki Hanaoka, Masahiko Nagai, Minoru Yanagisawa
KR698231	POWER FAILURE-FREE POWER SUPPLY APPARATUS	Satoshi Atou, Co-developed with: NTT Data Corporation
CNZL01136103.4	UNINTERRUPTIBLE POWER SYSTEM, PARALLEL OPERATION TYPE UNINTERRUPTIBLE POWER SYSTEM, INVERTER SYSTEM, AND PARALLEL OPERATION TYPE INVERTER SYSTEM	Hiroyuki Hanaoka, Masahiko Nagai, Minoru Yanagisawa