

Main Patents

■ Patents registered in 2006

Registration Number	Title of Invention	Inventor(s)
3751181	FILTER UNIT BLOWER	Hiromitsu Kuribayashi, Tomoaki Ikeda, Yoshikazu Ohya
3760065	METHOD OF PRODUCING COOLING FAN ATTACHED TYPE HEAT SINK	Toshiki Ogawara, Yuichi Kodaira, Haruhisa Maruyama
3768598	COOLING APPARATUS FOR ELECTRONIC ELEMENT	Yuichi Kodaira, Nobumasa Kodama, Toshiki Ogawara
3768793	ELECTRIC APPLIANCES EQUIPMENT AND ELECTRIC APPLIANCES UNIT	Yuzo Kubota, Katsutoshi Yamanaka
3770958	ELECTRONIC COMPONENT COOLING APPARATUS	Shinjiro Yokozawa, Nobumasa Kodama, Toshiki Ogawara, Yuichi Kodaira, Michinori Watanabe
3771200	UNINTERRUPTIBLE POWER SUPPLY AND METHOD OF TURNING OFF AC SWITCH FOR UNINTERRUPTIBLE POWER SUPPLY	Naruhiko Kudo, Hisashi Takizawa, Osamu Kawakami
3777317	ROTARY ELECTRIC MACHINE	Masayoshi Kaneko, Yukio Miura
3784178	AXIAL-FLOW FAN	Jiro Watanabe, Kesatsugu Watanabe, Masahiko Miyasita
3784242	ELECTRONIC COMPONENT COOLING APPARATUS	Yuichi Kodaira, Toshiki Ogawara
3784333	ELECTRONIC COMPONENT COOLING APPARATUS	Shinjiro Yokozawa, Nobumasa Kodama, Toshiki Ogawara, Yuichi Kodaira, Michinori Watanabe
3793683	COOLING APPARATUS FOR ELECTRONIC ELEMENT	Hisashi Takizawa, Takuo Oshimori, Yoshihiko Oouchi
3796261	METHOD OF ESTIMATING LOAD INERTIA FOR A MOTOR	Yuji Ide
3799362	ROTARY ELECTRIC MACHINE EQUIPPED WITH ONE OR MORE MAGNETIC SENSORS	Kazuhiro Makiuchi, Akira Shimizu, Sakae Kishi
3807879	WIRE WINDING MACHINE	Kazuyuki Kitazawa, Naoyuki Miyao, Yutaka Takeuchi
3807998	ELECTRIC POWER CONVERSION APPARATUS	Hiroyuki Hanaoka, Toshimi Yanagisawa, Hiroshi Sakaba
3811179	STATOR FOR MOTORS	Toshihito Miyashita, Hiroshi Hioki
3816324	METHOD FOR CONTROLLING INJECTION MOLDING MACHINE AND INJECTION MOLDING MACHINE	Yoshinori Kimura, Hideki Fukazawa, Co-developed with TECMAN CO., Ltd.
3816325	INJECTION MOLDING MACHINE	Yoshinori Kimura, Hideki Fukazawa, Co-developed with TECMAN CO., Ltd.
3825665	UNINTERRUPTIBLE POWER SYSTEM	Hiroyuki Hanaoka, Masahiko Nagai, Minoru Yanagisawa
3840236	CONVERTER DEVICE AND METHOD OF CONTROLLING THE CONVERTER	Akinori Matsuzaki, Yuji Wada
3850363	MOTOR POSITION CONTROLLER	Yuji Ide
3850381	CURRENT CONTROL DEVICE	Yuji Ide
3854251	LINKED OPERATION UNIT DEVICE AND METHOD FOR ERROR DETECTION OF ITS CHANNEL SETTING	Yoshiko Kondo, Tadahisa Nakajima
3862927	CYLINDER-TYPE LINEAR SYNCHRONOUS MOTOR	Kazuhiro Makiuchi, Satoshi Sugita
3862885	CYLINDER-TYPE LINEAR SYNCHRONOUS MOTOR	Kazuyuki Kitazawa, Shinji Suzuki, Kazuhiko Takizawa
3863048	CONTROLLED RECTIFIER EQUIPMENT WITH SINUSOIDAL WAVEFORM SUPPLY CURRENT	Hiroyuki Hanaoka, Hiroshi Sakaba
3891787	MULTI-AXIS SERVO SYSTEM	Michio Kitahara
3891998	METHOD AND DEVICE FOR DETECTION OF ROTATION NUMBER OF ELECTRIC MACHINE	Takashi Shimizu, Co-developed with Toyo Denshi Co. Ltd
3892823	SPEED CONTROL DEVICE FOR MOTOR	Yuji Ide
3892824	MOTOR POSITION CONTROLLER	Yuji Ide
3896325	WATERTIGHT BRUSHLESS FAN MOTOR	Naruhiko Kudo, Hisashi Takizawa, Osamu Kawakami
3897914	ELECTRIC ACTUATOR	Manabu Matsushita, Satoshi Onodera, Toshihito Miyashita, Co-developed with TOYOTA MOTOR CORPORATION, BPA Co., Ltd.
3904547	UNINTERRUPTIBLE POWER SUPPLY APPARATUS	Yoshiaki Okui, Shoichi Ota, Naoya Nakamura
3904594	MOTOR CONTROL DEVICE	Yuji Ide, Michio Kitahara
3904595	COUNTER-ROTATING AXIAL-FLOW FAN	Jiro Watanabe, Toshiya Nishizawa, Yasuhiro Maruyama

3916389	LINEAR/ROTARY ACTUATOR	Kazuyuki Kitazawa, Yutaka Takeuchi
3916896	ARMATURE OF DIRECT CURRENT ELECTRIC MACHINE	Yutaka Yamazaki, Masahiro Koyama, Kazuyuki Kitazawa
3916990	WIRING STRUCTURE OF LEAD WIRES	Ikuo Takeshita, Katsue Tezuka, Akira Koike, Hidenori Morita
3917094	METHOD AND DEVICE FOR CONTROLLING MOTORS	Yuji Ide
U.S. Patent 7047145 B2	COMPENSATION METHOD OF RESOLVER DETECTED POSITION	Yoshi Ishizuka, Kazuhiro Makiuchi, Toru Miyajima
U.S. Patent 7102319 B2	A SYNCHRONOUS MOTOR AND A ROTATION CONTROL METHOD THEREOF, AS WELL AS, AN INVERTER FOR USE OF THE SYNCHRONOUS MOTOR	Hisayuki Miyajima, Shigenori Miyairi, Co-developed with Hitachi Industrial Equipment Systems Co., Ltd.
U.S. Patent 7117580 B2	WATERTIGHT BRUSHLESS FAN MOTOR	Naruhiko Kudo, Hisashi Takizawa, Osamu Kawakami
U.S. Patent 7129672 B2	CONTROLLER APPARATUS FOR SYNCHRONOUS MOTOR AND CONTROLLING METHOD THEREOF	Yoshinori Kimura, Nobuo Arakawa
U.S. Patent 7166931 B2	UNINTERRUPTIBLE POWER SUPPLY APPARATUS	Yoshiaki Okui, Shouichi Oota, Naoya Nakamura
China Patent ZL01119247.X	COOLING SYSTEM WITH A HEAT SINK	Toshiki Ogawara, Haruhisa Maruyama, Michinori Watanabe, Co-developed with SASA Institution
Philippine Patent 1-2000-01251	SINGLE-BEARING PERMANENT-MAGNET MOTOR	Toshiki Ogawara, Tomoaki Ikeda
Philippine Patent 1-2000-01351	MOUNTING STRUCTURE OF ROTARY SHAFT OF ROTARY ELECTRIC MACHINERY	Toshiki Ogawara, Toshio Shinohara, Michihiro Suzuki
Philippine Patent 1-2000-02393	METHOD OF PRODUCING COOLING FAN ATTACHED TYPE HEAT SINK	Toshiki Ogawara, Yuichi Kodaira, Haruhisa Maruyama
Philippine Patent 1-2001-00267	HEAT SINK-EQUIPPED COOLING APPARATUS	Toshiki Ogawara, Haruhisa Maruyama, Michinori Watanabe, Co-developed with SASA Institution
Philippine Patent 1-2001-00762	FINGER GUARD FOR BLOWER	Hiromitsu Kuribayashi, Tomoaki Ikeda, Yoshikazu Ohya
Philippine Patent 1-2001-01286	HEAT SINK-EQUIPPED COOLING APPARATUS	Toshiki Ogawara, Haruhisa Maruyama, Michinori Watanabe, Co-developed with SASA Institution
Philippine Patent 1-2001-02353	DRIVE UNIT FOR BRUSHLESS FAN MOTOR AND CONTROL METHOD THEREOF	Naruhiko Kudo, Masato Murata
Taiwan Patent I 264502	COUNTER-ROTATING AXIAL-FLOW FAN	Honami Oosawa, Katsumichi Ishihara, Toshiyuki Nakamura, Takashi Kaise, Yoshihiko Aizawa, Seiji Nishimura
Taiwan Patent I 266399	ELECTRONIC COMPONENT COOLING APPARATUS	Michinori Watanabe, Toshiki Ogawara, Haruhisa Maruyama
Taiwan Patent M 292839	FINGER GUARD FOR FANS	Hiromitsu Kuribayashi, Tomoaki Ikeda, Yoshikazu Ohya
Indonesian Patent ID0015238	UNINTERRUPTIBLE POWER SYSTEM	Hiroyuki Hanaoka, Masahiko Nagai, Minoru Yanagisawa
Mongolian Patent 2641	METHOD OF OPERATING DISTRIBUTED POWER SOURCES	Takashi Kobayashi, Norio Tazawa, Minoru Yanagisawa, Co-developed with SHARP CORPORATION
German Patent 603 06 050.1-08	PERIODIC SIGNAL CONTROLLER	Yoshiaki Okui