

Main Patents

■ Patents registered in 2004

Registration Number	Name	Inventors
3533319	Electronic Components Cooling Device	Nobumasa Kodama, Toshiki Ogawara
3533350	Biaxial Motor	Shinji Suzuki, Hideyuki Ishii, Hidetoshi Hayashi, Sakae Kishi
3550028	Brushless Fan Motor and Its Manufacturing Method	Honami Oosawa, Kesatsugu Watanabe, Osamu Kawakami, Hisashi Takizawa, Nobuyuki Aoki
3565703	Rolling Machine Round Dies	Katsuyuki Nakata, Hiroshi Yoshikawa, Hiroshi Okino, joint inventor: Nissei Co., Ltd.
3565704	Rolling Machine Round Dies	Katsuyuki Nakata, Hiroshi Yoshikawa, Hiroshi Okino, joint inventor: Nissei Co., Ltd.
3578911	Portable Photovoltaic Power Generator	Akinori Matsuzaki
3578629	Winding Method and Winding Machine	Kazuyuki Kitazawa, Masahiro Koyama, Tatsuyuki Miyasaka, Toyoshi Harada
3578555	Holding Brake for Motors	Shinji Suzuki, Shigeto Murata, Hidetoshi Hayashi
3596278	Rolling Machine Round Dies	Katsuyuki Nakata, Hiroshi Yoshikawa, Hiroshi Okino, joint inventor: Nissei Co., Ltd.
3593452	Rolling Machine Round Dies	Katsuyuki Nakata, Hiroshi Yoshikawa, Hiroshi Okino, joint inventor: Nissei Co., Ltd.
3602404	Electric Motor with Rotating Detector	Akihide Takayanagi, Hideyuki Ishii, Shintaro Koichi
3602046	Brushless Motor Driver	Masato Murata, Naruhiko Kudoh
3605511	Motor with Optical Encoder	Shigeto Murata, Kazuhito Yamaura, Kazuyoshi Murata
3605532	Manufacturing Method of Hybrid Stepping Motor Rotor	Yukio Miura, Masayoshi Kaneko, Jun Shimizu
3616527	Power Conversion Equipment for Driving an Electric Motor	Yuji Ide
3605597	Stator for Rotary Electrical Machine (2)	Keizo Watanabe, Kazuyuki Kitazawa, Oki Hiroshi, Yoshinori Nakamura, Kenichi Yokotsuta
3628132	Electric Actuator	Satoru Onodera, Manabu Matsushita, Shinji Suzuki, Joint inventor: Toyota Motor Corporation, Joint inventor: BPA Co., Ltd.
3623766	AC Power Supply	Minoru Yanagisawa, Yoshiaki Okui
3623724	Rotary Electric Machinery	Honami Oosawa, Munenori Takakuwa, Ryuji Kobayashi, Yukio Ouchi
3623702	Stator for Rotation Electrical Machine	Kazuyuki Kitazawa, Kazuhiko Takizawa, Shintaro Koichi
3623683	Manufacturing Method of Stator for Rotation Electrical Machine and Stator for Rotation Electrical Machine	Kazuyuki Kitazawa, Kunitoshi Kurihara, Kiyoshi Uchibori, Shinji Suzuki
3623625	Electronic Components Cooling Device	Yuichi Kodaira, Toshiki Ogawara
3653659	Uninterruptible Power Supply	Tetsuji Ogiwara, joint inventor: NTT Facilities, Inc.
3638695	Permanent Magnet Rotor	Keizo Watanabe, Shintaro Koichi, Yutaka Takeuchi
3647424	Inner Rotor Motor	Yukio Miura, Masayoshi Kaneko
3638944	Determination of Pole Arc Ratio of Permanent Magnet-installed Rotating Motor and Permanent Magnet-installed Rotating Motor	Toshihito Miyashita, Satoru Onodera
Taiwan Patent: 184424	Electrical Parts Cooling Device	Yuichi Kodaira
U.S. Patent:6700262B2	ROTARY ELECTRIC MACHINE	Honami Oosawa, Munenori Takakuwa, Ryuji Kobayashi, Yukio Ouchi
U.S. Patent:6683434B2	DRIVE UNIT FOR BRUSHLESS FAN MOTOR	Masato Murata, Naruhiko Kudo
U.S. Patent:6671191B2	ELECTRIC POWER CONVERSION APPARATUS	Hiroyuki Hanaoka, Narumi Yanagisawa, Hiroshi Sakaba
U.S. Patent:6809497B2	DRIVE UNIT FOR BRUSHLESS FAN MOTOR AND CONTROL METHOD THEREOF	Naruhiko Kudo, Masato Murata
U.S. Patent:6828706B2	WATERTIGHT BRUSHLESS FAN MOTOR	Naruhiko Kudo, Kakuhiko Hata
U.S. Patent:6798091B2	WATERTIGHT BRUSHLESS FAN MOTOR	Naruhiko Kudo, Hisashi Takizawa, Osamu Kawakami
China Patent: ZL01111965.9	Cooling Device Equipped with Heat Sink	Toshiki Ogawara, Haruhisa Maruyama, Michinori Watanabe, Joint inventor: SASA Laboratory