

Main Patents

■ Patents registered in 2016

Registration Number	Name	Inventor(s)
Patent 5869461	INTERCONNECTION POWER SUPPLY SYSTEM	Hiroshi Yamada, Narumi Yanagisawa
Patent 5872984	POWER CONVERSION APPARATUS	Akinori Matsuzaki, Makoto Ishida
Patent 5898876	ELECTRIC APPARATUS WITH STATOR CORE	Akio Miyahara, Masaaki Ohashi, Hong Zhang
Patent 5905985	AXIAL BLOWER AND SERIES-TYPE AXIAL BLOWER	Toshiyuki Nakamura, Shuji Miyazawa
Patent 5923325	MOTOR CONTROL DEVICE AND CONTROL METHOD OF THE SAME	Noriaki Taniguchi, Takahisa Toda, Yo Muramatsu
Patent 5937263	LINEAR MOTOR	Yasushi Misawa, Hiroyuki Sato, Akihiko Takahashi, Satoshi Sugita
Patent 5947646	MOTOR CONTROLLER	Toshiyuki Nakamura, Yo Muramatsu
Patent 5953144	MOTOR CONTROLLER	Takahisa Toda
Patent 5953200	BRUSHLESS MOTOR INSULATOR, BRUSHLESS MOTOR STATOR, BRUSHLESS MOTOR, AND METHOD OF MANUFACTURING BRUSHLESS MOTOR	Yoshinori Miyabara
Patent 5955447	ENCODER FAULT DETECTION DEVICE	Hideki Netsu, Yoshiyuki Murata
Patent 5956207	ENCODER	Toru Miyajima, Yoshi Ishizuka, Shoji Ito
Patent 5956277	PERMANENT MAGNET TYPE MOTOR AND METHOD FOR MANUFACTURING PERMANENT MAGNET TYPE MOTOR	Toshihito Miyashita, Manabu Horiuchi
Patent 5956288	PERMANENT MAGNET TYPE MOTOR AND METHOD FOR MANUFACTURING PERMANENT MAGNET TYPE MOTOR	Toshihito Miyashita, Manabu Horiuchi
Patent 5964633	TUBULAR LINEAR MOTOR	Yu Qi Tang, Yasushi Misawa
Patent 5970294	SYSTEM INTERCONNECTION INVERTER DEVICE	Hiroshi Yamada, Masahiko Nagai
Patent 5980087	UNINTERRUPTIBLE POWER SUPPLY DEVICE	Hideaki Miyajima, Kenji Higuchi
Patent 5981103	LINEAR MOTER	Yu Qi Tang, Satoshi Sugita, Shigenori Miyairi
Patent 5981104	LINEAR MOTER	Yu Qi Tang
Patent 5990346	MOTOR	Manabu Horiuchi, Toshihito Miyashita
Patent 5992778	AXIAL FLOW FAN	Atsushi Yanagisawa
Patent 5996507	POWER SOURCE DEVICE	Shinichiro Yamagishi, Yasuhiko Ogihara
Patent 5997589	SPLIT-CORE TYPE MOTOR AND METHOD OF MANUFACTURING ARMATURE OF SPLIT-CORE TYPE MOTOR	Toru Takeda, Shintaro Koichi, Kenta Matsuhashi
Patent 6010416	THREE-PHASE PERMANENT MAGNET TYPE MOTOR	Toshihito Miyashita, Masahiro Yamaguchi
Patent 6026981	LINEAR MOTOR UNIT	Yu Qi Tang, Kazuhito Yamaura
Patent 6038616	WIRING STRUCTURE OF STATOR COIL	Yukio Miura, Masaaki Ohashi, Koji Nakatake
Patent 6038712	ROTATIONAL-LINEAR MOTION CONVERTER	Satoshi Sugita, Yu Qi Tang, Yasushi Misawa, Shigenori Miyairi
Patent 6041762	MOTOR CONTROL DEVICE	Yuji Ide, Michio Kitahara, Satoshi Yamazaki
Patent 6042012	MOTOR	Manabu Horiuchi, Mai Shimizu, Jun Kitajima
Patent 6047425	INDEPENDENT OPERATION DETECTION APPARATUS AND INDEPENDENT OPERATION DETECTION METHOD	Akihiro Tsukada
Patent 6062658	FAN FRAME	Masahiro Koike, Soma Araki, Toshiki Ogawara
EP Patent 1653087	AXIAL-FLOW FAN WITH DOUBLE IMPELLERS	Honami Osawa, Katsumichi Ishihara, Toshiyuki Nakamura, Takashi Kaise, Yoshihiko Aizawa, Seiji Nishimura

Registration Number	Name	Inventor(s)
EP Patent 1847718	AXIAL FLOW FAN	Katsumichi Ishihara, Honami Osawa
EP Patent 2218916	CENTRIFUGAL FAN	Yen Junchieh, Hiromitsu Kuribayashi
EP Patent 2261511	CENTRIFUGAL FAN	Yen Junchieh, Hiromitsu Kuribayashi
EP Patent 2362500	CONNECTING STRUCTURE FOR ELECTRIC CABLES AND ELECTRIC APPARATUS	Toshihito Miyashita, Hiroshi Hioki, Junichi Chiku
EP Patent 2400157	CENTRIFUGAL FAN	Yen Junchieh, Jiro Watanabe, Hiromitsu Kuribayashi, Shigekazu Mitomo
U.S. Patent 9214815	POWER SUPPLY SYSTEM INCLUDING A BATTERY, A DC/DC CONVERTER, AND AN INVERTER	Yoshiaki Okui
U.S. Patent 9246422	MOTOR CONTROL DEVICE AND MOTOR CONTROL METHOD	Yo Muramatsu, Takahisa Toda
U.S. Patent 9252700	MOTOR CONTROLLER	Takahisa Toda
U.S. Patent 9267505	COUNTER-ROTATING AXIAL FLOW FAN	Atsushi Yanagisawa, Honami Osawa
U.S. Patent 9270147	STATOR AND PROTECTING MEMBER FOR STATOR	Koji Nakatake, Yukio Miura, Masaaki Ohashi, Hong Zhang
U.S. Patent 9281734	LINEAR MOTER WITH BACK YOKE	Yu Qi Tang, Satoshi Sugita, Shigenori Miyairi
U.S. Patent 9318942	ELECTRIC MACHINE	Satoshi Sugita, Yu Qi Tang, Yasushi Misawa
U.S. Patent 9331463	WIRE FIXTURE	Tetsuya Yamazaki (Power Systems Div., Design Dept. 2)
U.S. Patent 9369069	CONTROL DEVICE OF FAN MOTOR	Takahisa Toda, Takashi Kaise, Jiro Watanabe
U.S. Patent 9379599	TUBULAR LINEAR MOTOR	Yu Qi Tang, Yasushi Misawa
U.S. Patent 9400492	MOTOR CONTROL DEVICE	Yuji Ide, Michio Kitahara, Satoshi Yamazaki
U.S. Patent 9407127	BRUSHLESS MOTOR INSULATOR, BRUSHLESS MOTOR STATOR, BRUSHLESS MOTOR, AND METHOD OF MANUFACTURING BRUSHLESS MOTOR	Yoshinori Miyabara
U.S. Patent 9419426	SEALING-MEMBER-EQUIPPED SHIELDED CABLE	Yoshihiro Shoji, Kazuhiro Makiuchi
U.S. Patent 9518586	INLINE AXIAL FLOW FAN	Yen Junchieh, Honami Osawa
Philippine Patent 1-2010-000177	CENTRIFUGAL FAN	Yen Junchieh, Hiromitsu Kuribayashi
Philippine Patent 1-2010-000239	CENTRIFUGAL FAN	Yen Junchieh, Hiromitsu Kuribayashi
Philippine Patent 1-2010-000405	COUNTER-ROTATING AXIAL FLOW FAN	Honami Osawa, Yoshihiko Aizawa, Co-invented with the University of Tokyo and FUJITSU Japan
Philippine Patent 1-2012-000079	COUNTER-ROTATING AXIAL FLOW FAN	Atsushi Yanagisawa, Honami Osawa
Philippine Patent 1-2013-000011	MOTOR CONTROL DEVICE AND CONTROL METHOD OF THE SAME	Noriaki Taniguchi, Takahisa Toda, Yo Muramatsu
Philippine Patent 1-2013-000180	MOTOR CONTROLLER	Toshiyuki Nakamura, Yo Muramatsu
Korea Patent 10-1595834	LINEAR SYNCHRONOUS MOTOR	Yu Qi Tang, Satoshi Sugita
Korea Patent 10-1608290	MOLDED MOTOR	Toshihito Miyashita, Hiroshi Hioki, Junichi Chiku
Korea Patent 10-1615154	MOTOR WITH AN ELECTROMAGNETIC BRAKE	Toshihito Miyashita, Masahiro Yamaguchi
Korea Patent 10-1642377	LINEAR SYNCHRONOUS MOTOR	Yu Qi Tang, Takashi Matsushita, Satoshi Sugita
Korea Patent 10-1665996	STATOR FOR ROTARY ELECTRIC MACHINE	Masaaki Ohashi, Yoichi Horiuchi, Yasushi Yoda, Koji Nakatake
Korea Patent 10-1693184	HEAT RADIATION STRUCTURE OF ELECTRIC APPARATUS	Toshihito Miyashita, Hiroshi Hioki, Junichi Chiku
Taiwan Patent I516684	CENTRIFUGAL FAN	Yen Junchieh, Hiromitsu Kuribayashi
Taiwan Patent I526625	COUNTER-ROTATING AXIAL FLOW FAN	Honami Osawa, Yoshihiko Aizawa, Co-invented with the University of Tokyo and FUJITSU Japan

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Taiwan Patent I527966	COUNTER-ROTATING AXIAL FLOW FAN	Honami Osawa, Yoshihiko Aizawa, Co-invented with the University of Tokyo and FUJITSU Japan
Taiwan Patent I527967	COUNTER-ROTATING AXIAL FLOW FAN	Honami Osawa, Yoshihiko Aizawa, Co-invented with the University of Tokyo and FUJITSU Japan
Taiwan Patent I532921	ELECTRIC FAN	Naruhiko Kudo, Tomoaki Ikeda, Haruhisa Maruyama
Taiwan Patent I533587	METHOD AND SYSTEM FOR DETERMINING DETERIORATION OF PERMANENT MAGNETS OF ELECTRIC APPARATUS	Akihiko Takahashi, Yasushi Misawa, Manabu Horiuchi
Taiwan Patent I535150	MOVING MAGNETIC FIELD GENERATING APPARATUS	Satoshi Sugita, Yasushi Misawa, Yu Qi Tang, Shigenori Miyairi
Taiwan Patent I541440	COUNTER-ROTATING AXIAL FLOW FAN	Atsushi Yanagisawa, Honami Osawa
Taiwan Patent I544225	MOTOR CONTROL SYSTEM AND METHOD OF DETECTING ELECTRICAL INSULATION DETERIORATION OF MOTOR	Yuji Ide
Taiwan Patent I548201	MOTOR CONTROL DEVICE AND CONTROL METHOD OF THE SAME	Noriaki Taniguchi, Takahisa Toda, Yo Muramatsu
Taiwan Patent I552491	LINEAR MOTER	Yu Qi Tang
Taiwan Patent I555311	LINEAR MOTER	Yu Qi Tang, Satoshi Sugita, Shigenori Miyairi
Taiwan Patent I555914	CENTRIFUGAL FAN	Yen Junchieh, Jiro Watanabe, Hiromitsu Kuribayashi, Shigekazu Mitomo
Taiwan Patent I555915	LEAD WIRE ENGAGING STRUCTURE AND ELECTRIC APPARATUS	Yen Junchieh, Jiro Watanabe, Hiromitsu Kuribayashi, Shigekazu Mitomo
Taiwan Patent I558087	MOTOR CONTROLLER	Yuji Ide
China Patent ZL201110153863.9	DRIVING SYSTEM FOR FAN AND METHOD OF DRIVING FAN	Shigekazu Mitomo, Yen Junchieh
China Patent ZL201110176263.4	CENTRIFUGAL FAN	Yen Junchieh, Jiro Watanabe, Hiromitsu Kuribayashi, Shigekazu Mitomo
China Patent ZL201210026916.5	MOTOR CONDITION INSPECTION METHOD AND MOTOR CHARACTERISTIC INSPECTING DEVICE	Akihiko Takahashi
China Patent ZL201210091037.0	COUNTER-ROTATING AXIAL FLOW FAN	Atsushi Yanagisawa, Honami Osawa
China Patent ZL201210213886.9	LINEAR MOTER	Yu Qi Tang, Satoshi Sugita, Shigenori Miyairi
China Patent ZL201210213902.4	LINEAR MOTER	Yu Qi Tang
China Patent ZL201210258445.0	ELECTRIC APPARATUS WITH STATOR CORE	Akio Miyahara, Masaaki Ohashi, Hong Zhang
China Patent ZL201210321801.9	ELECTRIC MACHINE	Satoshi Sugita, Yu Qi Tang, Yasushi Misawa
China Patent ZL201210353305.1	STATOR CORE AND STATOR	Yu Qi Tang, Satoshi Sugita
China Patent ZL201210418139.9	MAGNETIC ENCODER WITH IMPROVED RESOLUTION	Satoshi Sugita, Yu Qi Tang, Yasushi Misawa
China Patent ZL201210419835.1	ELECTRIC MACHINE WITH LINEAR MOVER	Satoshi Sugita, Yu Qi Tang, Yasushi Misawa
China Patent ZL201210514889.6	MOTOR CONTROLLER	Yuji Ide, Masakazu Sakai
China Patent ZL201210517387.9	MOTOR CONTROLLER	Yuji Ide
China Patent ZL201210535867.8	STATOR	Koji Nakatake, Masaaki Ohashi, Hong Zhang
China Patent ZL201210557011.0	STATOR AND PROTECTING MEMBER FOR STATOR	Koji Nakatake, Yukio Miura, Masaaki Ohashi, Hong Zhang
China Patent ZL201310109046.2	TUBULAR LINEAR MOTOR	Yu Qi Tang, Yasushi Misawa
China Patent ZL201310125346.X	MOTOR CONTROL APPARATUS	Yuji Ide, Satoshi Yamazaki