

Major Patents

■ Patents registered in 2021

Patent Number	Title	Inventor(s)
U.S. - 10985642	POWER TRANSMISSION DEVICE	Satoshi Sugita, Yuqi Tang, Yasushi Misawa, Shigenori Miyairi
Germany - 102014109469	MOTOR CONTROL APPARATUS	Yuji Ide, Michio Kitahara, Satoshi Yamazaki
China - ZL201610017811.1	MOTOR CONTROL APPARATUS	Yuji Ide, Takao Oshimori, Hiroaki Koike
China - ZL201610076504.0	MOTOR CONTROL APPARATUS	Yuji Ide, Michio Kitahara, Toshio Hiraide
Philippines - 1-2016-000293	MEASUREMENT DEVICE	Katsumichi Ishihara, Takahisa Toda, Yo Muramatsu, Masahiro Koike, Hikaru Urushimoto
China - ZL201610772710.5	MOTOR CONTROL APPARATUS	Yuji Ide, Michio Kitahara, Toshio Hiraide
Philippines - 1-2016-000310	MOTOR CONTROL APPARATUS	Yuji Ide, Michio Kitahara, Toshio Hiraide
Taiwan - I725053	MOTOR CONTROL APPARATUS	Yuji Ide, Michio Kitahara, Toshio Hiraide
China - ZL201610770901.8	MOTOR CONTROL APPARATUS	Yuji Ide, Michio Kitahara, Toshio Hiraide
Taiwan - I730000	MOTOR CONTROL APPARATUS	Yuji Ide, Michio Kitahara, Toshio Hiraide
Taiwan - I725042	MEASUREMENT DEVICE	Masahiro Koike, Tomoaki Ikeda, Takahisa Toda, Yo Muramatsu, Katsumichi Ishihara, Hikaru Urushimoto
Taiwan - I717424	MOTOR CONTROL APPARATUS	Yuji Ide, Toshio Hiraide
Taiwan - I738694	MOTOR	Manabu Horiuchi, Toshihito Miyashita
China - ZL201710220320.1	MOTOR	Manabu Horiuchi, Mai Shimizu, Jun Kitajima
Taiwan - I738814	MOTOR CONTROL APPARATUS	Yuji Ide, Toshio Hiraide, Keigo Kikuchi
Japan - 06849366	REVERSIBLE FLOW FAN	Yoshihisa Yamazaki
Taiwan - I727094	REVERSIBLE FLOW FAN	Yoshihisa Yamazaki
China - ZL201710831289.5	BLAST FAN	Yoshihisa Yamazaki, Satoshi Fujimaki, Takashi Kawashima, Soma Araki
Japan - 06830791	LINEAR MOTOR	Yuqi Tang
Japan - 06846213	MOTOR CONTROL APPARATUS	Yuji Ide, Toshio Hiraide, Michio Kitahara
Japan - 06877194	DEVICE AND METHOD FOR DISPLAY OF INFORMATION ABOUT SETTING/STATUS OF POWER SUPPLY MANAGEMENT DEVICE	Katsuhiko Yoshizawa, Yutaka Kato, Kiyoshi Mizuguchi
Japan - 06924068	PARALLEL-CONNECTED STORAGE BATTERY SYSTEM AND CONTROL DEVICE THEREOF	Minoru Yanagisawa, Takashi Kobayashi
China - ZL201810461562.4	FAN MOTOR APPARATUS AND METHOD FOR MANUFACTURING THE SAME	Naoya Inada, Masato Kakeyama, Atsushi Yanagisawa
U.S. - 10951082	STATOR OF ROTATING ARMATURE AND ASSEMBLY METHOD THEREOF	Mitsuaki Shioiri, Koji Nakatake, Yasushi Yoda, Hong Zhang, Kazuhiro Yoda, Shogo Yoda
U.S. - 11041498	FAN MOTOR APPARATUS AND PROTECTION COVER OF FAN MOTOR APPARATUS	Yusuke Okuda, Haruhisa Maruyama, Yoshihisa Yamazaki
Japan - 06830996	FRAME STRUCTURE OF MOTOR AND METHOD FOR MANUFACTURING FRAME AND ARMATURE OF MOTOR	Manabu Horiuchi, Yasushi Misawa, Jun Kitajima, Mai Shimizu
Japan - 06827098	ROTATING ELECTRIC MACHINE	Manabu Horiuchi, Mai Shimizu, Takashi Matsushita, Yasushi Misawa