

## Intellectual Property Management Plan and Implementation

Date: Nov 6, 2023

### Intellectual Property Management Plan

The company is the world's leading manufacturer in the fields of uninterruptible power systems (UPS) as well as power quality improvement equipment (PQD) and other related power conversion and clean energy technologies. We are committed to developing and producing innovative power electronic products that are fast, efficient, and meet market demand. Our sustainable goal is to be known as "Experts in Power Conversion". To protect our intellectual property, we apply for patent protection for important R&D innovations or inventions. We also avoid infringement and effectively manage our intellectual property by formulating intellectual property management policies, goals and systems related to operational strategies. This helps us strengthen our core competitiveness and maximize our interests.

#### 1. Intellectual Property Protection Measures

According to the company's internal control system the "R&D Cycle", clearly regulates the procedures for acquiring, maintaining and using intellectual property. The R&D department is responsible for proposing, internally reviewing, acquiring, maintaining and other related operations of intellectual property.

Patent inventions are related to the rights and interests of company and individuals. The application process must be conducted in confidential files, and relevant information must not be disclosed to the outside world. Access to R&D-related files will be assign according to authority. The R&D unit will set up dedicated personnel to obtain, use and manage relevant intellectual property rights. The R&D unit must conduct an inventory of the company's patent cases based on the patent list every year.

#### 2. Intellectual Property Rights Infringement and Prevention

Confidential R&D information must be managed in accordance with the "R&D Cycle" - R&D file management operating procedures. If any unauthorized infringement of the company's intellectual property rights is discovered, it should be reported to the supervisor for verification. When necessary, a patent firm may be entrusted to apply for opposition or infringement reports to domestic (foreign) patent authorities on behalf of the company to protect our intellectual property rights. It is decided that after filing a patent application, if any suspected infringement of patent rights or other intellectual property rights of others is discovered, the person should immediately report it to the responsible person and work with the consultant to develop countermeasures.

#### 3. Intellectual Property Maintenance and Application Management

Based on the "R&D Cycle" of our internal control system, we have operating procedures for acquiring, maintaining and using intellectual property. These procedures include summarizing results reviewing reward mechanisms, maintaining and updating, promoting applications, and reporting result. We continuously review and improve our management mechanism to ensure that our intellectual property management system operates and produces results in line with company expectations.

## Implementation Of Intellectual Property Management

The R&D department is responsible for implementing the intellectual property management plan. The main items and results during the year will be guided by the board of directors in November 2023 to improve intellectual property management.

### 1. Patents

We continue to innovate in various product technology fields, including uninterruptible power systems, power quality improvement equipment, solar photovoltaic inverters and system operation and maintenance, battery management systems, and electric energy storage systems.

In this issue, we have obtained 1 newly approved patent. We have filed a total of 144 global patent applications, of which 143 have been approved. The approval rate for patents is as high as 99.3 %.

Additionally, we have determined that 26 patents have no subsequent commercial value or technological development potential and have decided to give up maintenance. These patents have either expired after 20 years or have been abandoned to reduce maintenance costs.

### 2. Trademarks

The total number of global trademark applications has accumulated to 23, and the total number of global trademark approvals has also reached 23. There were no new approved trademarks case in the year.

The status of trademark applications and approvals in different regions is as follows:

Region	Obtain a Certificate	Approval Announcement	Under Review
Taiwan	5	0	0
Mainland	5	0	0
USA	3	0	0
European Union	5	0	0
U.K.	5	0	0
Italy	0	0	0
Subtotal	23	0	0

### 3. Journal Articles

The presentation of technical papers represents our company's level of innovative technology. By participating in various seminars and presenting papers, we can discuss and learn from advanced industry and academic units, aiming to improve the efficiency and energy saving of our final products. These papers can also serve as evidence to prevent infringement of our patented intellectual property. In this year, we have had 1 new approved paper.

The total number of papers published is as follows:

File Type		Number Of Pieces	Total
Papers	Domestic	15	35
	Foreign	20	
Seminar Papers	Domestic	17	28
	Foreign	11	
Total		63	

#### 4. R&D Technical File Management

According to the "R&D Cycle" - R&D file management operating procedures, we allocate R&D personnel to track R&D record books. We currently managed more than 300 record book files.

In this year, we issued 8 new copies of the R&D record book, and 14 copies were returned due to personnel resignations.

#### 5. Product Safety Regulations and Labeling

The company's products aim to environmental protection, energy saving, and the absence of harmful substances. The R&D department provides safety-related information. There were no violations of laws or voluntary norms regarding the labeling of product and service information during this period.

#### 6. Energy Storage System Safety Testing Certification and Labeling

In response to China's energy transformation policy, Taipower Corporation has established a power trading platform to facilitate ancillary service transactions. Additionally, private enterprises have been invited to invest in the construction of energy storage systems to provide ancillary services. The Ministry of Economic Affairs has collaborated with international organizations such as IEC, UL, NFPA and IFC, and has worked with the Ministry of the Interior to propose safety standards and fire safety requirements for lithium battery energy storage systems. Considering this, the company has created an automatic frequency regulation (AFC) auxiliary service demonstration case in accordance with national/international standards (CNS) and project verification technical specifications. On-site safety testing and certification have been conducted by a third-party organization, and the company has obtained the qualification of a trader on the power trading platform. Currently, there are 1 MW and 2 MW energy storage systems available online at Pingtung No. 1 Factory and Pingtung No. 2 Factory respectively.

Reported by W. J. Chiang on Nov. 6, 2023