

Green Innovation Report

Fuji Electric Co., Ltd. - 2024

ISIN: JP3820000002, **Ticker:** 6504, **Country:** JP, **Sector:** Electrical Components & Equipment

This report evaluates the green innovation activities of the company over the past decade, based on inventions published in green technology areas defined by the [IPC Green Inventory](#). This inventory, established by the World Intellectual Property Organization, identifies technologies aligned with the United Nations' definition of Environmentally Sound Technologies. These innovations contribute to mitigating humanity's impact on climate change in support of the Sustainable Development Goals.

Innovation Metrics

Invention Count (last 12 months)

730 Inventions

Green Invention Count (last 12 months)

231 Green Inventions

Each invention reflects a substantial investment of R&D and legal resources. Consequently, green inventions provide a reliable and high-integrity metric for measuring a company's innovation efforts in green technologies and sustainability.

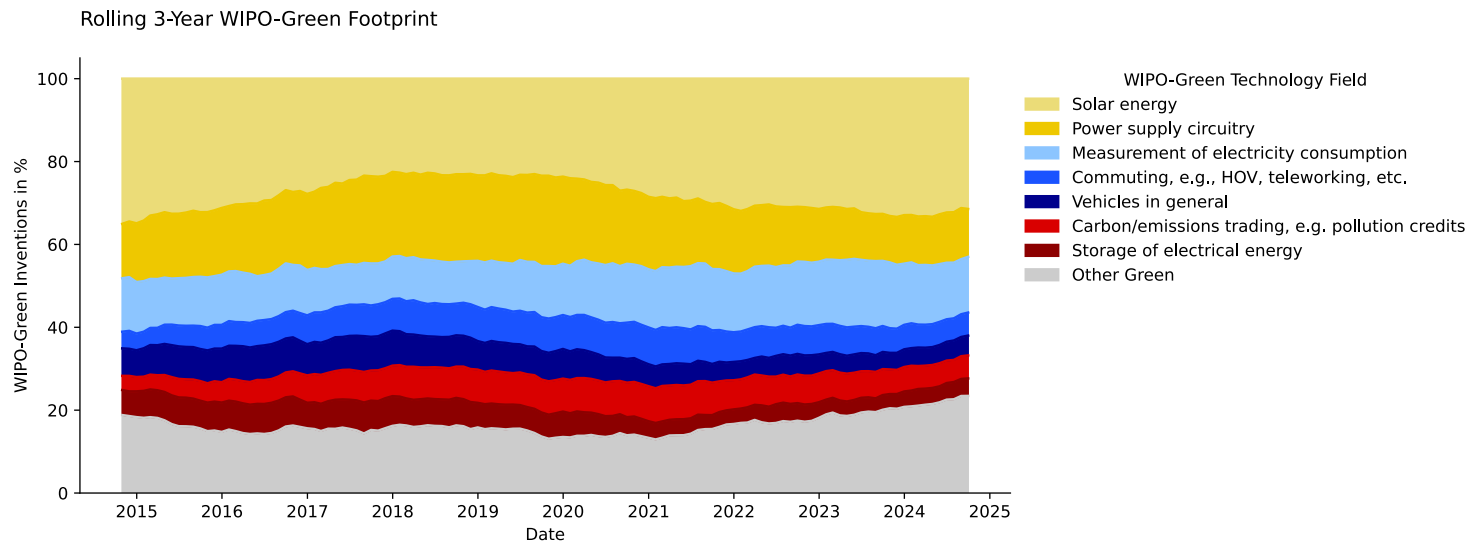
Rolling 1-Year Invention Count



The graph above illustrates the number of green inventions published by the company over the past decade. Data is presented monthly, with each point representing the total green invention count for the preceding 12 months.

Green Technology Footprint

The graph below showcases the temporal distribution of the company's green innovation activity across technology fields listed in the IPC Green Inventory. This distribution highlights the green technology footprint and its evolution as part of the company's innovation strategy.



The table below provides a quantitative analysis of the growth and significance of the company's key green technology fields. For each field, the most frequently appearing keywords in recent inventions offer valuable insights into the company's green innovation activities.

WIPO-Green Technology Field	Absolute Growth (3y)	Percentage of Green Inventions (3y)	Keywords (3y)
Solar energy	283	31.4%	semiconductor module, semiconductor chip, power conversion, power converter, terminal structure
Measurement of electricity consumption	121	13.4%	power conversion, silicon carbide semiconductor, power converter, current sensor, partial discharge
Power supply circuitry	104	11.6%	uninterruptible power supply, information processing, power supply, information processing program, state estimation
Commuting, e.g., HOV, teleworking, etc.	50	5.6%	automatic vending machine, information processing, work support, state estimation, locker management
Vehicles in general	43	4.8%	power conversion, mobile body, battery replacement, vehicle charging, vehicle charger
Storage of electrical energy	38	4.2%	replacement battery charger

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