

Green Innovation Report

Murata Manufacturing Co., Ltd. - 2024

ISIN: JP3914400001, **Ticker:** 6981, **Country:** JP, **Sector:** Electronic Components

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)

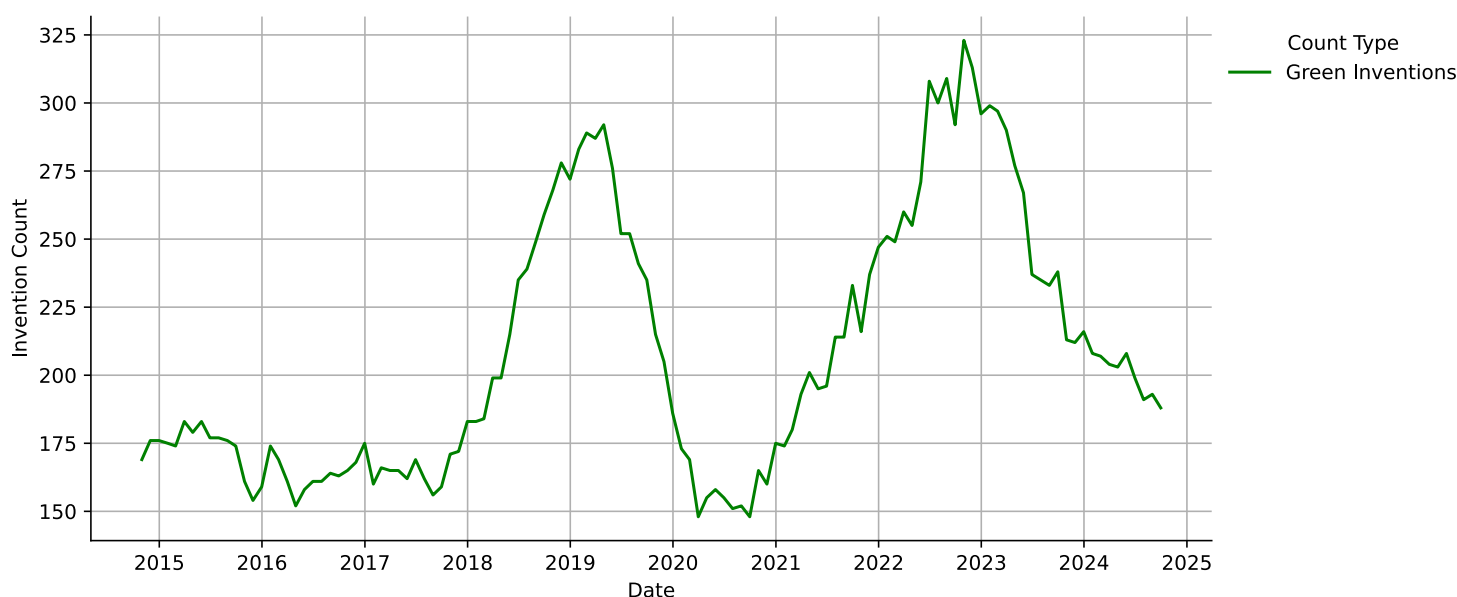
1431 Inventions

Green Invention Count (last 12 months)

188 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.

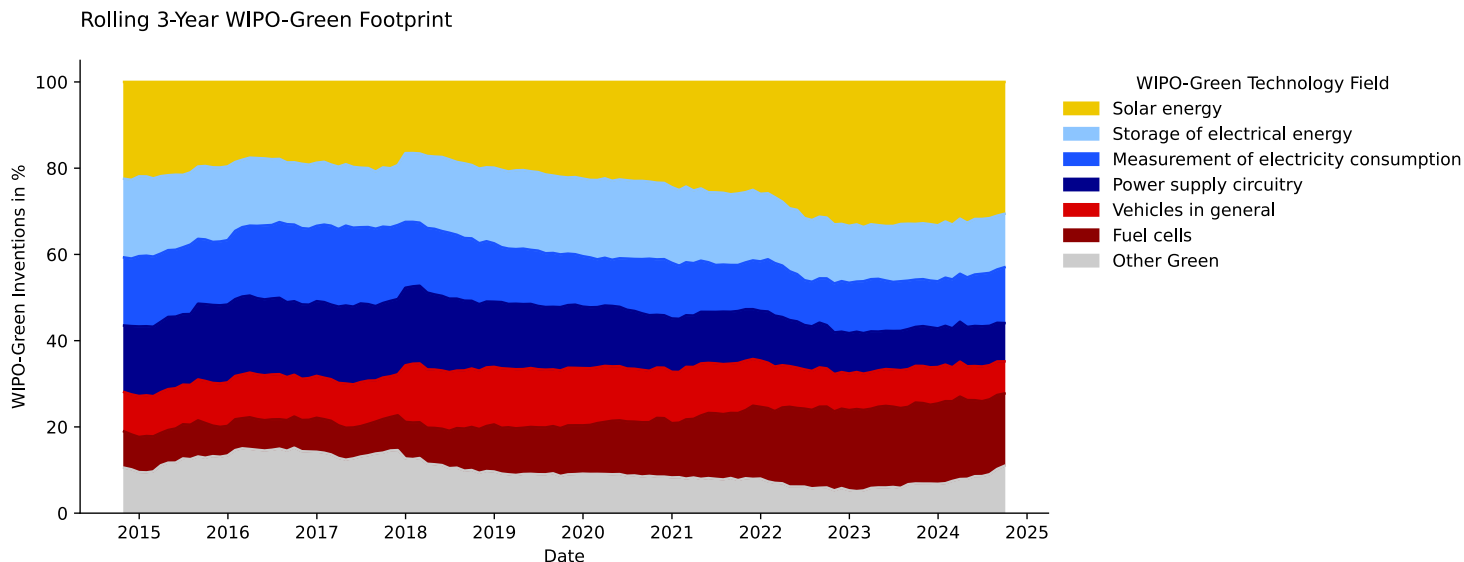
Rolling 1-Year Invention Count



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	279	30.6%	high frequency module, circuit module, radio frequency module, electronic component module, electronic component
Fuel cells	153	16.8%	secondary battery, solid state battery, battery pack, electric tool, solid oxide fuel
Measurement of electricity consumption	118	12.9%	magnetic sensor, secondary battery, current sensor, electronic component, electric current sensor
Storage of electrical energy	113	12.4%	secondary battery, dimensional particle, power supply, electronic component, conductive film
Power supply circuitry	81	8.9%	wireless power supply, wireless power transmission, wireless power reception, power supply, wireless power
Vehicles in general	68	7.5%	battery pack, electric vehicle, secondary battery, electric tool, battery unit

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