

Green Innovation Report

Mitsui Chemicals, Inc. - 2024

ISIN: JP3888300005, **Ticker:** 4183, **Country:** JP, **Sector:** Commodity Chemicals

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)

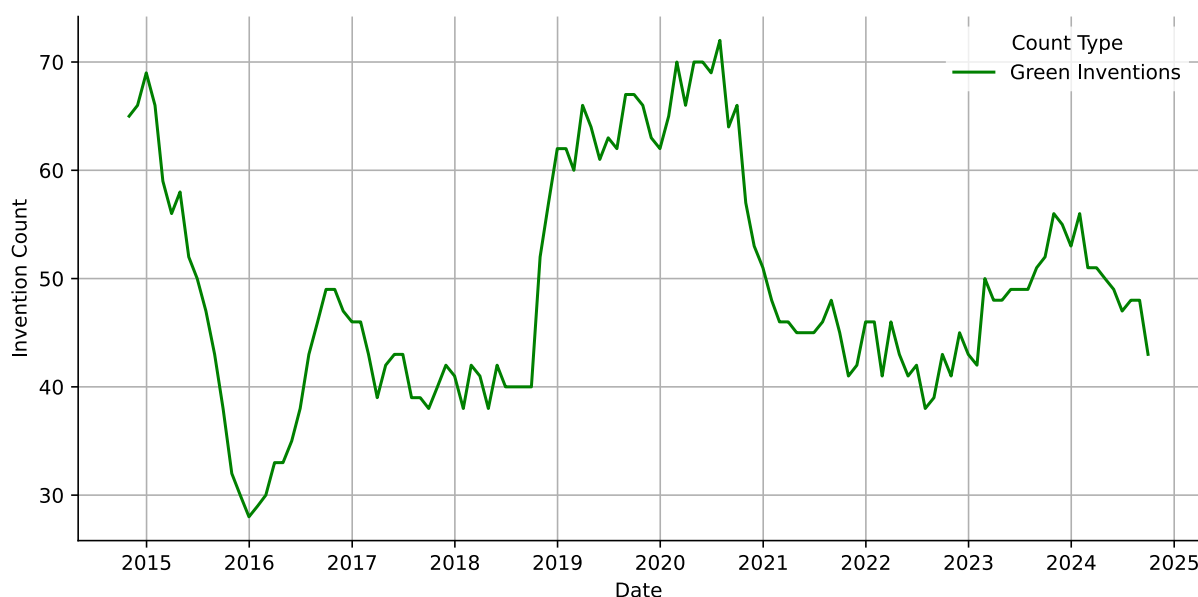
514 Inventions

Green Invention Count (last 12 months)

43 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

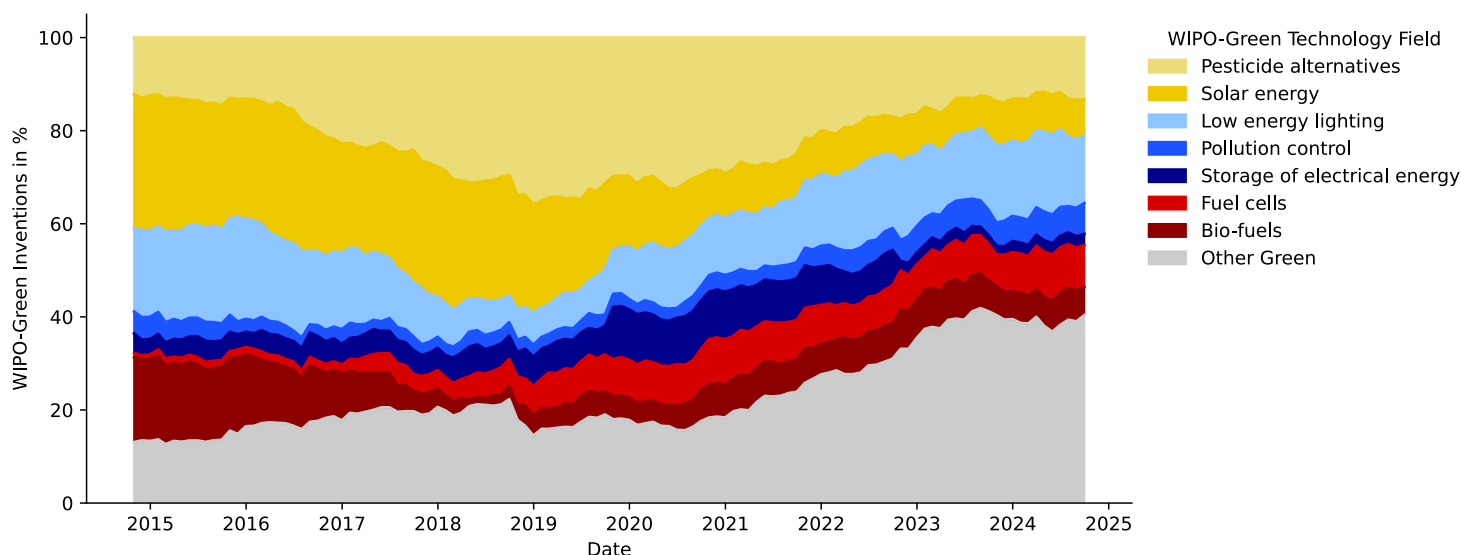


The graph above illustrates the number of green inventions published by the company over the past decade. Data is presented monthly, with each point representing the total green invention count for the preceding 12 months.

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.

Rolling 3-Year WIPO-Green Footprint



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)
Low energy lighting	24	14.5%	organic el display, reflective material, display element, resin composition, image display
Pesticide alternatives	22	13.3%	pyrazole compound, active ingredient, organism control agent, noxious organism control, antimicrobial material
Fuel cells	15	9.0%	lithium secondary battery, battery case, electrolyte secondary battery, aqueous electrolyte secondary, pouch type battery
Solar energy	13	7.8%	solar cell, solar cell module, solar cell encapsulant, semiconductor structure, resin composition
Pollution control	11	6.6%	wastewater treatment, point organic matter, nonwoven fabric, dust suppression treatment, wiring board
Bio-fuels	10	6.0%	mutant nitrile hydratase, nucleic acid, ester compound, rust inhibitor, preventive agent
Storage of electrical energy	4	2.4%	lithium secondary battery, secondary battery precursor, nonaqueous electrolyte solution, aqueous electrolyte

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