

# Green Innovation Report

## Asahi Kasei Corporation - 2024

**ISIN:** JP3111200006, **Ticker:** 3407, **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)

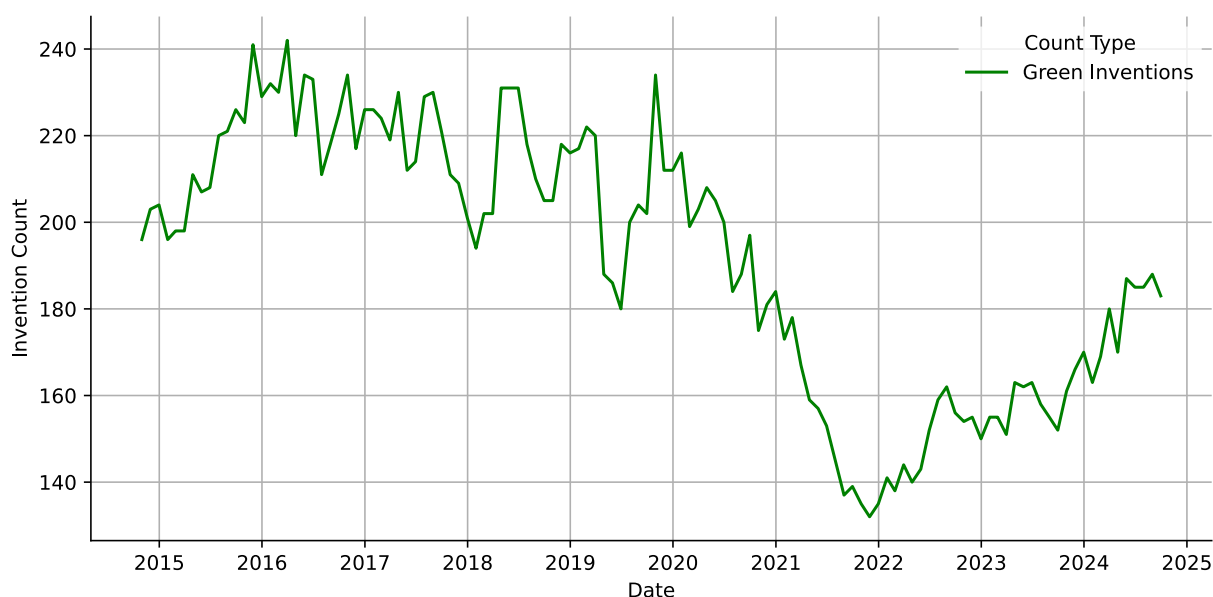
790 Inventions

### Green Invention Count (last 12 months)

183 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

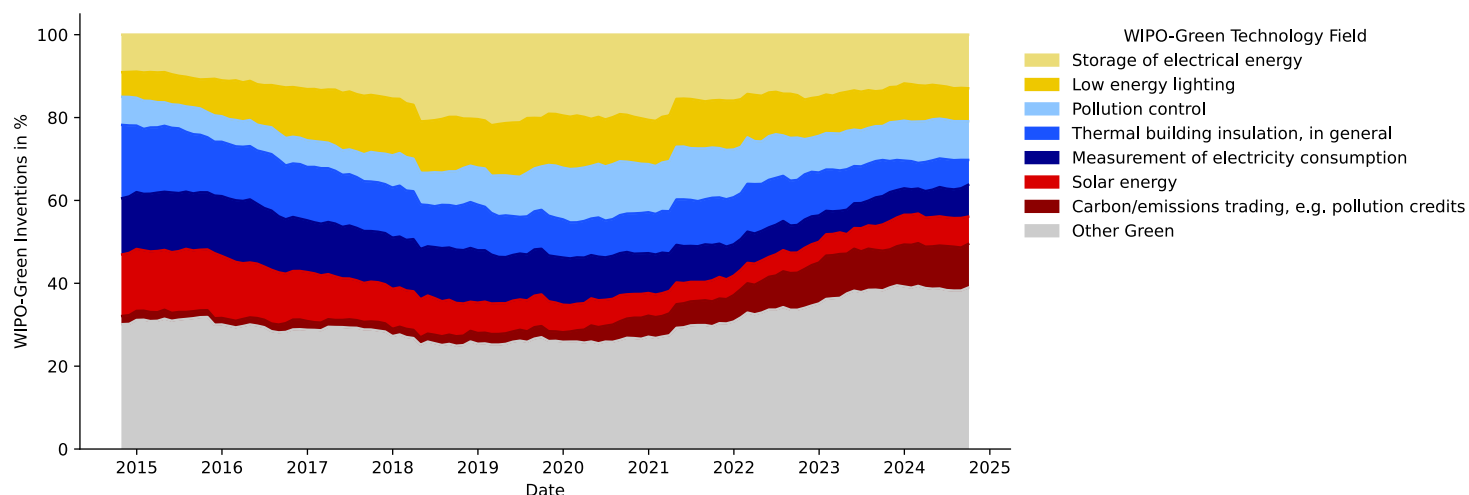


The graph above illustrates the number of green inventions published by the company over the past decade. Data is presented monthly, with each point representing the total green invention count for the preceding 12 months.

## 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)
Storage of electrical energy	86	12.9%	power storage, power storage element, lithium power storage, positive electrode precursor, nonaqueous alkali metal
Pollution control	62	9.3%	hollow fiber membrane, risk information, operation support, operation assistance, fiber membrane module
Low energy lighting	53	8.0%	ultraviolet light, ultraviolet irradiation, ultraviolet light emission, nitride semiconductor element, light intensity adjustment
Measurement of electricity consumption	51	7.7%	magnetic field measurement, magnetic detection, current sensor, magnetic sensor, hall sensor
Solar energy	44	6.6%	solar power generation, power generation module, infrared optical, gas sensor, compound semiconductor
Thermal building insulation, in general	40	6.0%	wall panel, wall base panel, exterior wall base, wall structure, wall material

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