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Green Innovation Report

Kuraray Co., Ltd. - 2024

ISIN: JP3269600007, **Ticker:** 3405, **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

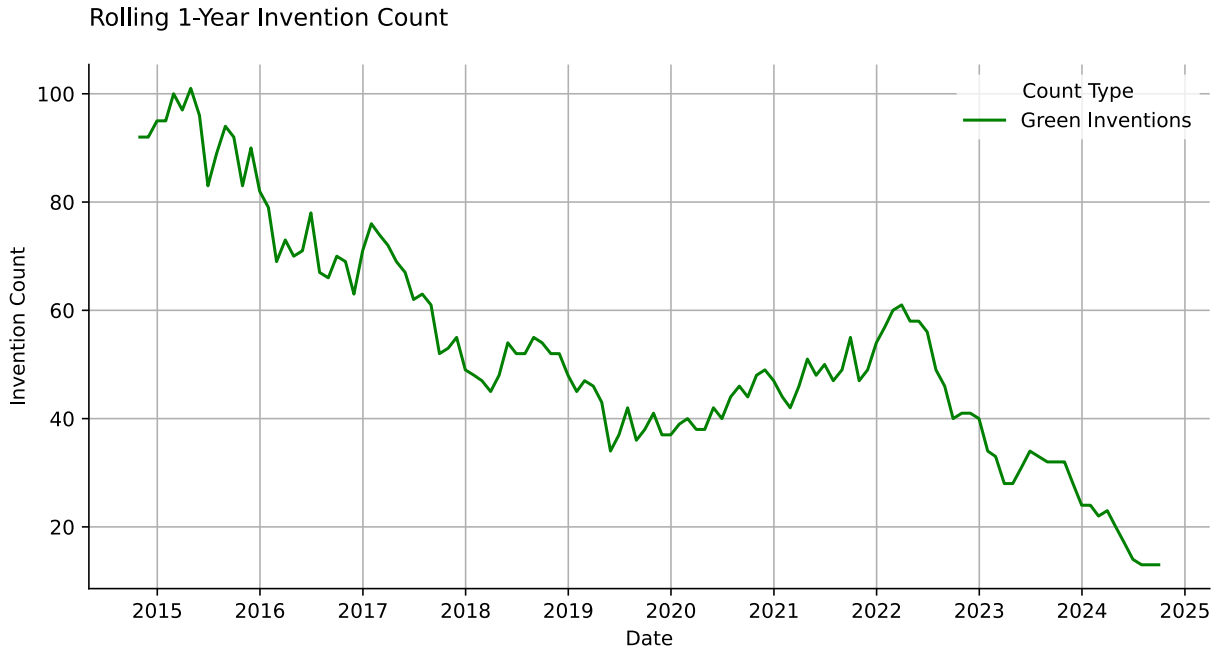
Invention Count (last 12 months)

221 Inventions

Green Invention Count (last 12 months)

13 Green Inventions

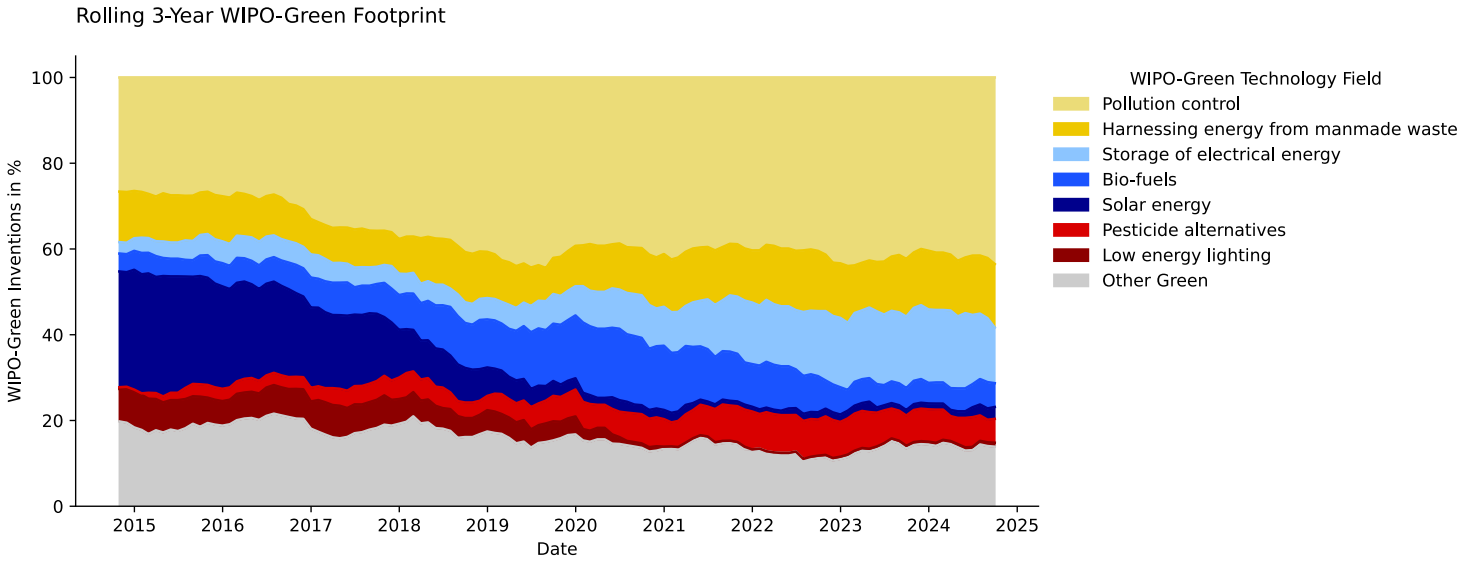
Each invention reflects a substantial investment of R&D and legal resources. Consequently, green inventions provide a reliable and high-integrity metric for measuring a company’s innovation efforts in green technologies and sustainability.



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)
Pollution control	47	43.5%	water treatment, water purifier, water purification filter, water purification, soluble manganese
Harnessing energy from manmade waste	16	14.8%	nitrogen gas separation, vapor adsorbent, sorbent storage, hydrocarbon gas
Storage of electrical energy	14	13.0%	power storage, carbonaceous material, positive electrode, electricity storage, negative electrode
Bio-fuels	6	5.6%	vinyl acetate, gas barrier resin, barrier resin composition, β methallyl acetate, vinyl ester copolymer
Pesticide alternatives	6	5.6%	water microbe mixture, waste water microbe, vinyl alcohol polymer, porous carbon material, insect repellent fiber
Solar energy	3	2.8%	multilayer structure, protective sheet