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Green Innovation Report

Nissan Chemical Corporation - 2024

ISIN: JP3670800006, **Ticker:** 4021, **Country:** JP, **Sector:** Diversified 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

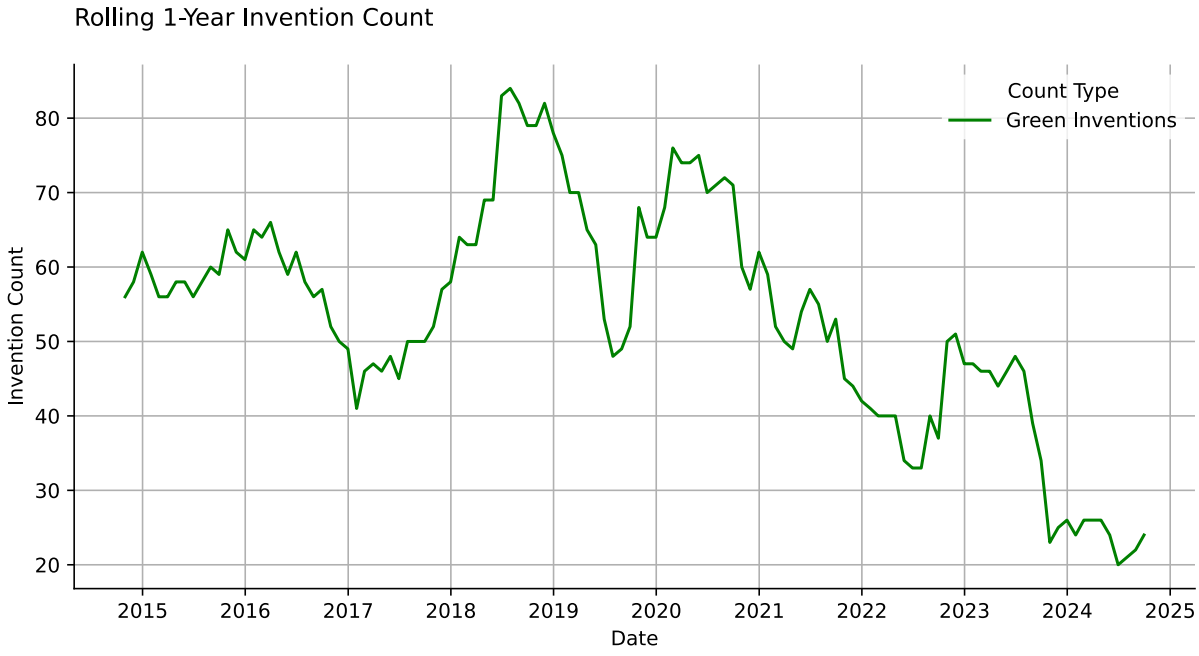
Invention Count (last 12 months)

182 Inventions

Green Invention Count (last 12 months)

24 Green Inventions

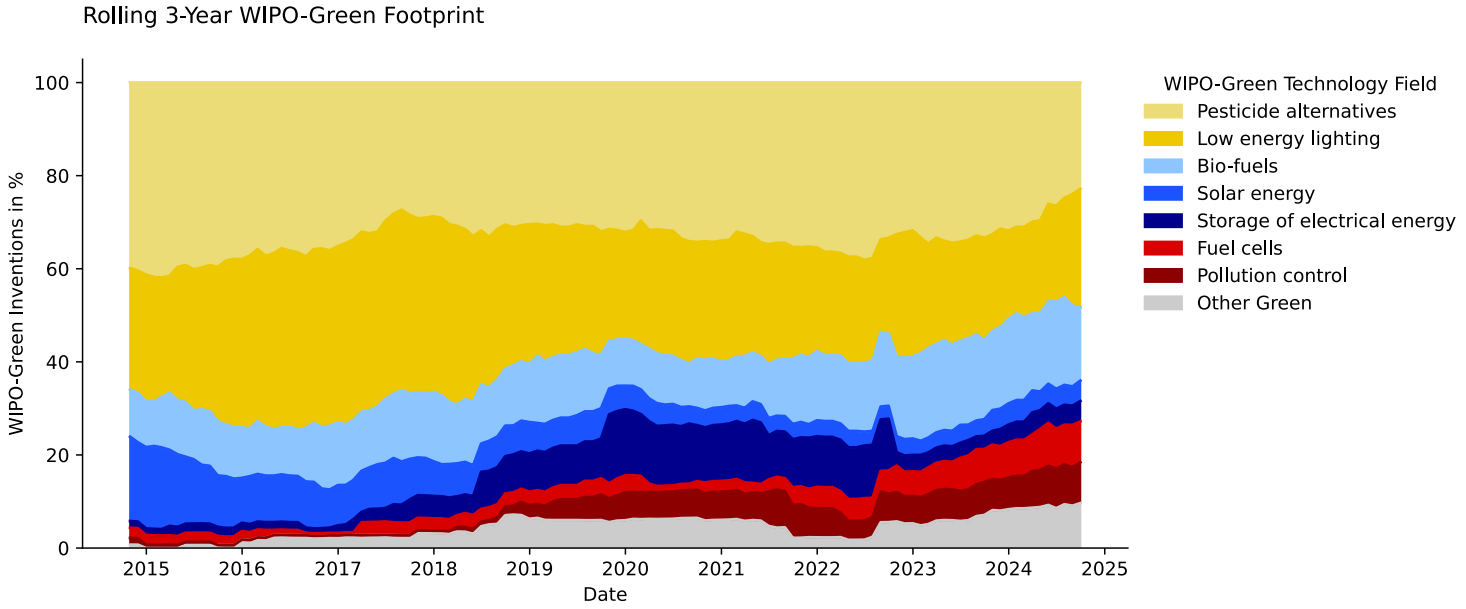
Each invention reflects a substantial investment of R&D and legal resources. Consequently, green inventions provide a reliable and high-integrity metric for measuring a company’s innovation efforts in green technologies and sustainability.



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)
Low energy lighting	29	25.4%	photosensitive resin composition, wavelength conversion film, single layer phase, polymer composition, layer phase difference
Pesticide alternatives	26	22.8%	control agent, pyridazinone compound, thienouracil compound, pest control composition, pest control agent
Bio-fuels	18	15.8%	silica nanoparticles, h2s scavenging, gas stream, antisense oligonucleotide, stem cell proliferation
Fuel cells	10	8.8%	fuel cell, catalyst composition, polymer electrolyte fuel, electrolyte fuel cell, sulfonic acid group
Pollution control	10	8.8%	underground treatment, silica nanoparticles, h2s scavenging, gas separation membrane, gas reservoir
Solar energy	5	4.4%	wavelength conversion film, photoelectric conversion element, organic photoelectric conversion
Storage of electrical energy	5	4.4%	thin film, energy storage, power storage, conductive binder layer