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Green Innovation Report

Nitto Denko Corporation - 2024

ISIN: JP3684000007, **Ticker:** 6988, **Country:** JP, **Sector:** Specialty 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

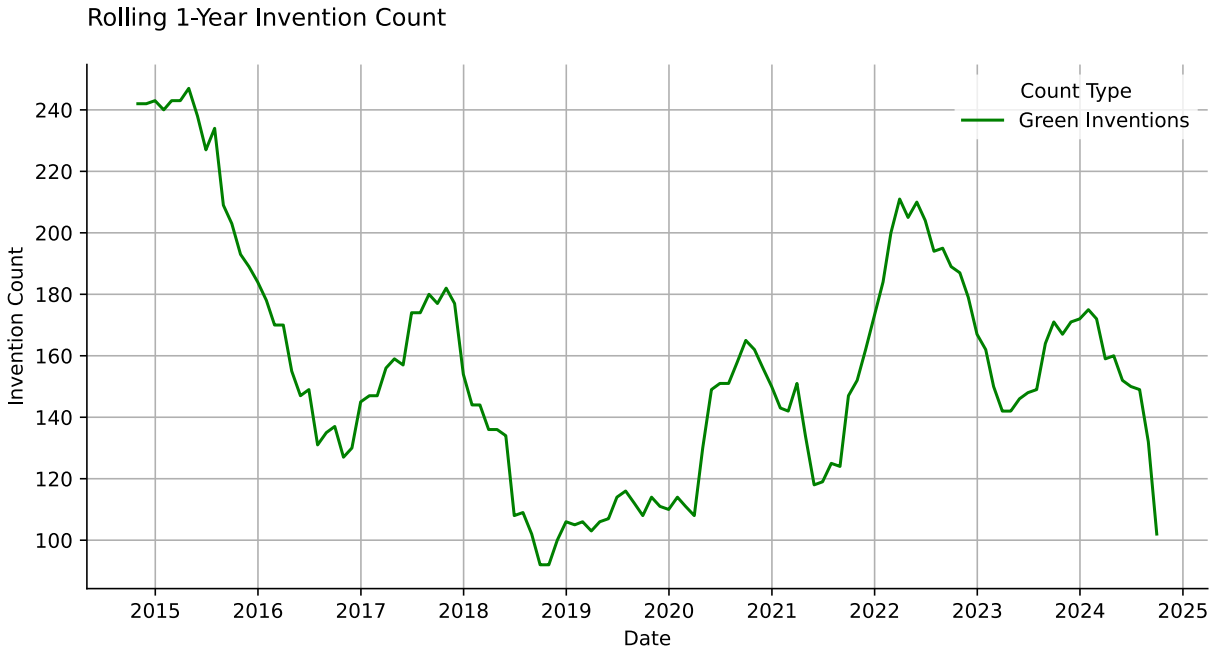
Invention Count (last 12 months)

800 Inventions

Green Invention Count (last 12 months)

102 Green Inventions

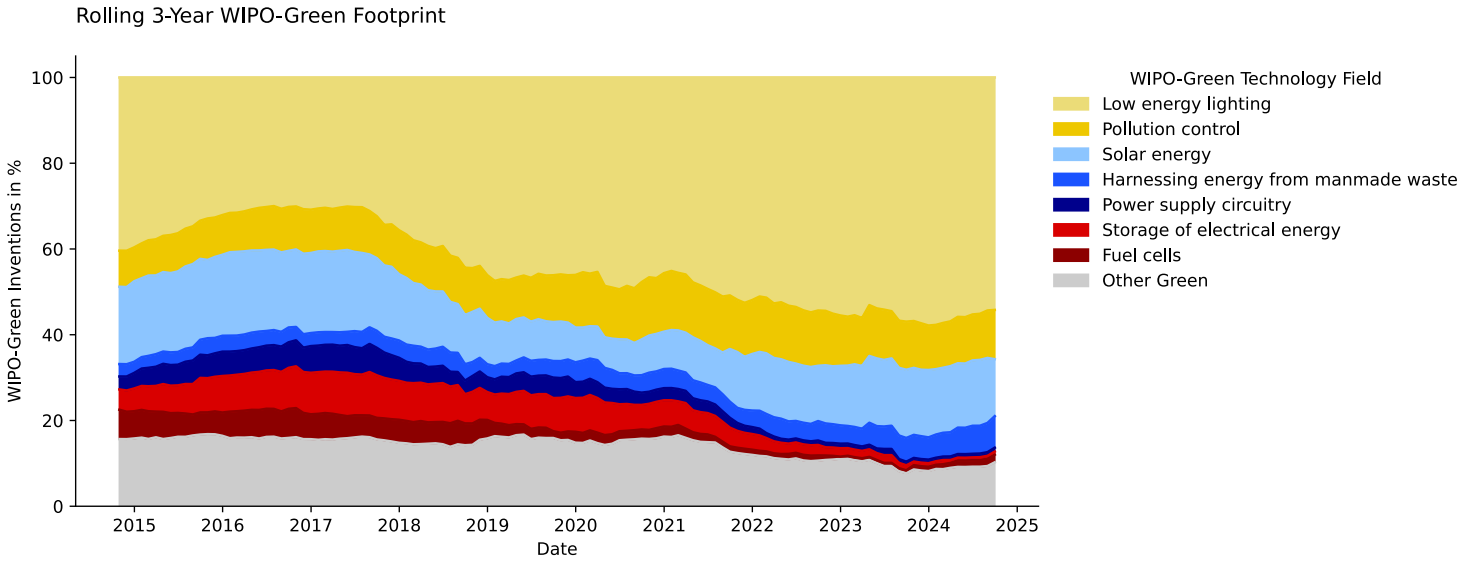
Each invention reflects a substantial investment of R&D and legal resources. Consequently, green inventions provide a reliable and high-integrity metric for measuring a company’s innovation efforts in green technologies and sustainability.



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	302	54.2%	image display, optical laminate, retardation layer, adhesive sheet, optical semiconductor element
Solar energy	74	13.3%	optical semiconductor, optical member, metal layer, resin composition, optical laminate
Pollution control	64	11.5%	acidic gas, spiral membrane element, separation membrane, acidic gas adsorbent, acid gas
Harnessing energy from manmade waste	41	7.4%	acidic gas adsorbent, acidic gas, gas adsorbent sheet, functional layer removal, gas adsorbent production
Fuel cells	10	1.8%	adhesive sheet, electrochemical cell, gas diffusion sheet, fuel cell, power storage
Power supply circuitry	5	0.9%	wireless power receiving, circuit board, wiring structure, power supply, battery module
Storage of electrical energy	4	0.7%	secondary battery, power management