Wind and solar power generation patent applications

The total number of published PCT applications for renewable energy can be divided into the four main sectors: solar power, fuel cells (which generate electricity through chemical reactions), ...

Wind power is the nation"s largest source of renewable energy, with more than 150 gigawatts of wind energy installed across 42 U.S. States and Puerto Rico. These projects generate ...

In this article we investigate the provenance of innovation in clean energy through patents data. To explore filing trends in clean energy, we consider the sub-sectors in the clean energy space.

German Patent Application No. 10212354A1 (published Oct. 2, 2003) discloses a combined solar-wind power generator with wind propeller for converting wind into electric energy, with...

Assorted embodiments of the present disclosure are generally directed to structures and methods that generate electrical power from multiple different naturally occurring energy sources, such as...

[0003] Taiwanese Utility Model Patent Publication No. M453708 discloses a green artistic pavilion. The pavilion has a solar roof, (that is, a solar panel), and a wind-driven power generation device for ...

Data only includes energy source technologies, and excludes technologies such as energy storage or transport. Figures in recent years are subject to a time lag; submitted patents may not yet be ...

Explore the latest trends in renewable energy patents. Uncover global innovation, solar dominance, and the shift to smart solutions. Learn more!

The instant application is a National Phase Filing of PCT/US2023/027366 filed Jul. 11, 2023, which claims priority to U.S. Provisional Application No. 63/388,224 filed Jul. 11, 2022, bearing ...

The wind-driven power generation assembly serves to drive the power generation unit to generate power, while the solar panel directly converts sunlight into electrical energy (without driving ...

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