

Wind and solar power generation patent applications

Although wind power generation creates noise and effected by climatic conditions but these are ignored in comparison to negative effect associated with the conventional sources. The ...

Solar-Wind power generation is a typically new approach in several countries such as The United States of America, United Kingdom and others while other nations are ...

Wind power and solar PV patent applications filed in China and India from 2000 to 2017 were extracted from the Derwent Innovation Index [43] using relevant international ...

The power generation system 1 includes: a power generation unit including a wave power generator 11; a power storage unit 40 accumulating electric power obtained by ...

the Roof Dynamo exterior shell consists of a known design made out of aluminum or a composite material. This "wind turbine" or "whirly bird" design already exists on many homes. This "better ...

This portfolio includes U.S. Patent No. 7,915,760 for an "Electric power conservation system for storing power during off-peak hours" plus PCT Patent Application 2009076662 for an "Electric ...

Energy consumption is increasing rapidly; hence, energy demand cannot be fulfilled using traditional power resources only. Power systems based on renewable energy, ...

In accordance with an embodiment, the delivery of the aforementioned operations is facilitated by the execution of the multi-hybrid power generator application 500, ...

Renewable energy may be divided into categories such as wind power, solar energy, geothermal energy, ocean energy, hydropower, and biomass-waste energy ...

Khamharnphol et al. (2023) explore the optimization of a hybrid power generation system, combining solar, wind, diesel, and battery energy storage, for a distribution system in Koh Samui, Thailand.

Solar energy generation vs. capacity; Solar power generation; The cost of 66 different technologies over time; The long-term energy transition in Europe; Thermal efficiency factor applied to non-fossil energy sources to convert them ...

The portable wind and solar power generator is a portable system for charging rechargeable batteries and providing power for external devices from wind and solar energy. ... 2016-05-05 ...

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This patent application claims the benefit of the provisional patent application No. 61/154,390 filed on Feb. 21, 2009, entitled Solar Wind Tree. ... such a solar/wind generator in the form of a ...

The demand for sustainable energy is increasingly urgent to mitigate global warming which has been exacerbated by the extensive use of fossil fuels. Solar energy has ...

Wind energy and solar energy are as renewable energy sources, and its application obtains country and encourages energetically and support in a's wind-powered electricity generation ...

total patent families), followed by the Republic of Korea (6%), Germany (5%), Japan (5%), USA (4%), and Denmark (4%). -- Twenty-seven percent of all offshore wind energy patent families ...

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