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Title: Wind tube power generation patent application

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How do wind energy patents work?

Methodology for wind energy application can be generalized for patent searching to target other technology domains. Wind energy patents are conventionally defined using Cooperative Patent Classification (CPC) and International Patent Classification (IPC) codes that represent wind motors (F03D) and wind energy (Y02E 10/70).

How many patents are used in a wind energy application?

The number of patents used in all four samples on the wind energy application are outlined in Table C1. The sample size used for Sample 2 (Keyword Set - WEDD1) is 257, which is between 5 and 10% margin of error.

How many patents are related to wind turbine technology?

It was found that 10% were related to manufacturing, load testing, or material advancements in wind turbine blade technologies, 8% of patents were related to vibration and fault detection for diagnostic testing, 5% of patents were related to hybrid charging stations with battery storage, and 4% were related to offshore wind construction.

Can wind energy patents be retrieved using conventional codes?

Patents retrieved using conventional codes for wind energy underrepresent patents from China and published since 2010. Methodology for wind energy application can be generalized for patent searching to target other technology domains.

A wind-tunnel wind power generation device 10 with improved power generation consistency, efficiency and device maintainability, said wind power generation device comprising a ...

A tube-type wind power generator includes an intake tube, an exhaust tube and a wind power generation device. The intake tube has a first end, a second end and an intake air channel, wherein ...

This is important because an improved patent domain allows for a holistic patent data set, which is necessary to complete a thorough analysis of the wind industry. Through this wind energy ...

[0005] In a wind power generation system, a voltage application unit (discharge power supply) is mounted on

a rotary body such as a windmill blade so that a high voltage is not supplied to a main ...

These patents cover inventions related to offshore wind energy, including key technology concept groupings such as: fixed and floating foundations, towers, mechanical power transmission, ...

A diversely useful wind power generation system for use with an existing structure such as a building. The system has one or more wind capture funnels located at a first location of the ...

The wind power generation apparatus has an acquisition unit, a wind turbine, a generator, an electric power storage unit and a controller. The acquisition unit is used acquires a ...

**ABSTRACT** This article discusses the patents related to wind energy to identify technologies, their degree of development as well as their applications and trends. The research was ...

This turbine (2) for wind power generation rotates by using the flow of wind, and comprises: a rotating shaft (10) having a rotation center (C) extending in the horizontal direction; a ...

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