

What are the types of wind turbine power generation patents

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Wind energy patents are conventionally defined using Cooperative Patent Classification (CPC) and International Patent Classification (IPC) codes that represent wind motors (F03D) and ...

They include General Electric patents for turbine control and rings/shrouds, Clipper and MRIGlobal (NREL) patents for variable speed turbines, Northern Power patents for direct drive turbines, and an ...

The majority of wind power based patent applications are examined by four examination groups or "art units" within the U.S. Patent and Trademark Office. ...

A wind turbine for generating electrical power from wind energy includes a turbine rotor mounted for rotation in wind, and having multiple blades for converting energy in the wind into rotational energy.

Abstract: A more efficient wind power generation system is afforded by extending tower heights to several hundred meters to operate wind catching rotors and generators aligned with the ...

Search for Wind Patents and Patent Applications (Class 290/55) Filed with the USPTO

Utility patents are the most common type of patent and cover new and useful processes, machines, or compositions of matter. Design patents, on the other hand, protect the ornamental ...

742 patents were reviewed from 1922 to 2019, which were handed by intellectual property offices all over the world. They were classified into two categories: turbines and static technologies as well as by ...

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As the wind energy sector has rapidly developed in the past ten years, both Vestas, Siemens Gamesa, and GE



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Renewable Energy are examples of companies that have filed numerous ...

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