

In order to develop a new wind turbine design that is more effective than existing designs, the inventors were forced to construct a wind turbine. The wind turbine described in this ...

The present invention relates to an impeller for wind power generation capable of increasing power generation efficiency and having excellent quietness, and a wind power generation system including ...

This paper begins by selecting the blade airfoil and then performs a theoretical analysis based on the relationship between the blade number and chord length. Experiments are conducted ...

It is a very important fundamental work that 3D-model of impeller for wind turbine can be achieved precisely, in order to enhance the credibility of CFD analysis in subsequent calculations.

This Review discusses the current capabilities and challenges facing different power electronic technologies in wind generation systems from single turbines to the system level.

The utility model relates to a spiral impeller wind power generation system which is characterized in that the spiral impeller is assembled by a plurality of vertical impeller components along the axial direction.

Discover the critical role of impellers in power systems, including pumps, compressors, turbines, and wind generators.

An impeller for wind power generation includes: a plurality of blades; and a hub which is provided with a rotating shaft at a center and around which the plurality of blades are arranged at...

An impeller for wind power generation includes: a plurality of blades; and a hub which is provided with a rotating shaft at a center and around which the plurality of blades are arranged at substantially equal ...



Impeller wind power generation system

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