Wind turbine spoiler strips

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The results of a side-by-side study of testing and optimising the EvoFlap now confirm that installing the spoiler can improve the aerodynamic flow in the area of the blade root, resulting in improved ...

An offshore wind power and spoiler technology, applied in wind power generation, infrastructure engineering, construction, etc., can solve the problems of large maintenance cost and workload, poor ...

This paper proposes a method of controlling the vortex-induced vibration (VIV) of wind turbine towers by adding continuous trapezoidal straight spoiler plates (TS) onto their outer surface:...

The purpose of the present invention is to overcome the deficiencies of the prior art, reduce the development cost of wind turbines, and reduce construction risks, and proposes a tightening...

An aerodynamic spoiler system for a vertical axis wind turbine includes spoilers on the blades initially stored near the rotor axis to minimize drag.

It is an object of the present invention to provide an overspeed controller and spoiler for vertical axis wind turbines that is light, simple, automatic and does not greatly affect the...

This report summarizes a study conducted to assess the feasibility of using pultruded blades for wind turbines. A scaled 80 kW rotor was designed, fabricated, and tested in the field.

During routine maintenance, ENGIE Green, a french exploiting party of renewable energy sources, noticed some cracks at the blade root near the spoiler installation. Until this day, all studies ...

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