

Title: Wind turbine spoiler strips

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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 present invention relates to a spoiler, in particular an adaptable spoiler, for a wind turbine blade of a wind turbine and further relates to a rotor blade of a wind turbine comprising the spoiler.

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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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As a solution, the flow control method is introduced to counter these issues by enhancing energy output from the wind turbines. This method can be categorized into two, namely, active and ...

At both ends of the tower frame, use Velcro straps to fix the spiral strips onto the surface of the tower frame. After the tower installation is completed, use the pulling rope to release the straps, and quickly ...

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A commercial wind turbine blade equipped with root spoilers is analysed using 2D URANS computational fluid dynamics (CFD) to assess the unsteady impact of passive devices.

The purpose of the present invention is to overcome the deficiencies of the prior art, reduce the development



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cost of wind turbines, and reduce construction risks, and proposes a tightening...

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