

Title: Wind turbine blade design patent

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Wind turbine blade Abstract A wind turbine blade of large size for a wind turbine (14) having three blades (16) and used to generate electrical power is contoured to minimize...

The disclosure of the present patent application relates to wind turbine blades, and particularly to a wind turbine blade with improved dynamic properties, and a method of manufacturing ...

[0006] Accordingly, a method for manufacturing a wind turbine blade is proposed. The method comprises the steps of: -infusing at least the dry fibre lay-up and a connection region ...

The aerodynamic profile of large-scale wind turbine blade exerts critical influences on energy conversion efficiency and structural integrity. Key parameters including chord length and twist ...

The present invention is directed to wind turbine blades that include an additive manufactured system-integrated tip. The disclosed wind turbine blades reduce the levelized cost of ...

[0003] Each wind turbine blade comprises an elongated blade body having a root for attaching the blade to the rotor hub. The blade body extends from the root to a tip. The elongated body varies its ...

Wind energy generation involves converting kinetic wind energy into electricity using wind turbines, blades, and control systems. Modern innovations increasingly integrate AI, smart sensors, ...

The inventive wind turbine blade is characterised in a specific arrangement regarding the first and second reinforcement structures and has an improved design over known blade designs.

WO2023208522 - WIND TURBINE BLADE AND METHOD FOR MANUFACTURING A WIND TURBINE BLADE.

A wind turbine blade comprises an external skin comprising tensioned fabric supported along a majority of the



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length of the wind turbine blade by two or more elongate fabric supporting...

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