

Title: Wind power blade patent

Generated on: 2026-07-04 14:47:15

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How to make a wind turbine blade?

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 between the dry fibre lay-up and the pre-cast-ed fibre lay-up with a resin, and curing the resin.

What is a wind turbine blade according to claim 6?

The wind turbine blade according to claim 6, wherein the second load carrying structure is arranged in the second blade shell part, wherein the wind turbine blade comprises a first blade shell part and a second blade shell part, and wherein the first load carrying structure is arranged in the first blade shell part. 13.

How long should a wind turbine blade be?

In one or more exemplary wind turbine blades, the first load carrying structure and/or the second load carrying structure, may have a length of at least $0.15 \cdot L$ or at least $0.2 \cdot L$, wherein L is the length of the wind turbine blade.

What is a wind turbine blade 10?

The wind turbine blade 10 has the shape of a conventional wind turbine blade with a root end and a tip end and includes a root region 30 closest to the hub, a profiled or an airfoil region 34 furthest away from the hub and a transition region 32 between the root region 30 and the airfoil region 34.

[0001] The present invention relates to wind turbine blade with an access window extending through its shell body for accessing an interior space of the blade. In addition, the present ...

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 ...

For solving the problem a rotor blade for a wind turbine, comprising a hollow blade body with a root and a tip, is provided, which is characterised in that the blade body is split along a split ...

A modular wind power blade structure and a manufacturing method thereof are disclosed. The structure includes a windward shell, a leeward shell, a T-shaped rib and a support ...

Wind power blade patent

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 ...

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

Wind turbine blades typically comprise a longitudinally extending spar structure to support a blade shell and to increase the structural and torsional rigidity of the blade. Such a spar structure ...

[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 ...

1. WO2021256920 - WIND TURBINE BLADE Publication Number WO/2021/256920 Publication Date 23.12.2021 International Application No. PCT/NL2021/050323

In summary, a well-prepared wind turbine blade patent application should include a comprehensive description, precise claims, analysis of prior art, explanation of technical benefits, ...

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