

Title (en)

DEVICE FOR OVERVOLTAGE PROTECTION IN A WIND TURBINE

Title (de)

VORRICHTUNG FÜR ÜBERSpannungSSCHUTZ IN EINER WINDTURBINE

Title (fr)

DISPOSITIF DE PROTECTION CONTRE LES SURTENSIONS POUR TURBINE EOLIENNE

Publication

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Application

**EP 02780245 A 20021104**

Priority

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- SE 0103872 A 20011121

Abstract (en)

[origin: WO03054389A1] The invention concerns a device for overvoltage protection in a wind turbine comprising a drive shaft (7) that is arranged to operatively connect one or a plurality of rotor blades (12) to a generator (9). The invention includes a drive shaft (7) containing a core of carbon fiber composite (7a) with a longitudinally through-passing cavity. In one end a connector (5) for a hub (4) that connects the rotor blades (12) is arranged to be introduced, and in the other end a coupling part (10) to the generator (9) is arranged to be introduced. An inner layer of fiberglass composite (7b), which is integrated with a core of carbon fiber composite (7a) in the drive shaft (7), surrounds the cavity and is arranged so as to electrically insulate the connector (5) and the coupling (10) from the drive shaft (7), which is electrically connected to ground.

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