

Title (en)

WIND TURBINE BLADE WITH VARIABLE BLADE SURFACE

Title (de)

WINDTURBINENSCHAUFEL MIT VERSTELLBARER SCHAUFELFLÄCHE

Title (fr)

PALE D'ÉOLIENNE

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Application

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Abstract (en)

[origin: WO2010043647A2] The invention relates to a wind turbine blade comprising a blade body, a device for modifying the aerodynamic surface or shape of the blade and movably connected hereto, and operating mechanisms for controlling the position and/or movement of the device. The operating mechanism comprises a compressible pressure chamber arranged in relation to the blade body and the movable device such that the position and/or movement of the device relative to the blade body can be modified by changing the pressure in the pressure chamber thereby causing a change of its cross sectional diameter. The operating mechanisms may be connected to and driven by a pressure reservoir arranged within the wind turbine blade or for example constituted by parts of the blade spar.

IPC 8 full level

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