

Title (en)
WIND TURBINE WITH OUTER JACKET

Title (de)
MANTELWINDTURBINE

Title (fr)
TURBINE EOLIENNE A CHEMISE

Publication
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Application
EP 02803788 A 20021123

Priority
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Abstract (en)
[origin: WO03046377A1] The invention relates to a device for the production of electrical power by means of wind energy, comprising a housing (4) having an especially horizontal flow channel (6, 5) and which can rotated about a vertical axis, provided with an inflow channel which is disposed upstream from the flow channel, and a rotor (11) which is disposed in the end area thereof and provided with several blades and which can rotated by the wind, a generator (16) associated with the rotor, and a direction stabilizer (19) arranged outside on the housing. The inflow channel has a trumpet like cross-section which begins in a pronounced manner and which later gradually becomes the same or larger than the diameter of the flow channel (5) like a parabola with the parameter (p) or like an ellipse, where a is 1.1 times 2.5 times the value of b , becomes smaller at the flow channel and whereby the input cross-section is at least 15 times the value of the output cross-section.

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