

Title (en)
WIND TURBINE FOR GENERATING ELECTRICITY

Title (de)
WINDTURBINE ZUR STROMERZEUGUNG

Title (fr)
ÉOLIENNE DE PRODUCTION D'ÉLECTRICITÉ

Publication
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Application
EP 21708598 A 20210224

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Abstract (en)
[origin: WO2022179684A1] The invention relates to a wind turbine (100) for generating electricity, comprising at least one rotor which can be driven by the wind and a generator which is connected to the rotor for converting mechanical power of the rotor driven by the wind into electric power and thus generating electricity. The wind turbine (100) additionally comprises a support unit for supporting the wind turbine (100) on an underlying surface, in particular the ground, during the operation of the wind turbine (100) in order to generate electricity and/or for moving the wind turbine (100), said support unit comprising at least three support arms. The wind turbine (100) additionally comprises a storage device (260) for storing electric energy converted by the generator (120), wherein the storage device (260) comprises at least one storage unit (260A, 260B, 260C) for storing the electric energy, and at least one of the at least one storage unit (260A, 260B, 260C) is arranged or can be arranged on one of the at least three support arms (240) in order to load the inherent weight of the storage unit on the one of the at least three support arms (240). The invention additionally relates to an assembly comprising a wind turbine (100) according to the invention and a feed device (300) comprising a receiving device (320) for receiving one of the at least one storage unit (260A, 260B, 260C) of the wind turbine (100), said storage unit being separate from the wind turbine (100). The receiving device (320) has a storage unit connection (360) for connecting the storage unit (260A, 260B, 260C) which is separate from the wind turbine (100) to the feed device (300) in order to provide electric energy to the feed device (300), said electric energy being stored in the storage unit (260A, 260B, 260C) which is connected to the storage unit connection (360).

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