

Title (en)
FOUNDATION FOR A WIND MOTOR

Title (de)
GRÜNDUNG FÜR EINE WINDTURBINE

Title (fr)
FONDATION D'UNE ÉOLIENNE

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Application
EP 13759668 A 20130904

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Abstract (en)
[origin: CA2884271A1] The invention relates to a connection structure (1, 20) for a pile foundation for anchoring a tower structure in the ground, particularly a wind turbine, particularly an offshore wind turbine, with a hollow pile (2, 22), which is driven into the ground at the erection site of the tower structure, a corner leg (3, 23) which is, or which can be, connected to the tower structure, which leg is arranged on the connection side within the pile (2, 22), and a connection area (VB), in which the pile and the corner leg are firmly connected together by means of introducing a connection material which is allowed to harden. At least one connecting means (5, 6, 7, 8, 9, 25) is fixedly arranged in the connection area on the pile (2, 22) and/or on the corner leg (3, 23) in order to transfer shear forces. The connection structure is characterized in that the connecting means has at least one recess (26) into which the connection material (4) can be introduced, wherein the recess (26) encloses the connection material (4) being introduced by an angular range of more than 90°. Further aspects of the invention relate to a foundation for a tower and a jacket, e.g. for a wind turbine, and to a wind turbine. Usages in the offshore field are involved in particular.

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