

Title (en)
FOUNDATION FOR A WIND MOTOR

Title (de)
GRÜNDUNG FÜR EINE WINDTURBINE

Title (fr)
FONDATION D'UNE ÉOLIENNE

Publication
EP 2912231 A1 20150902 (DE)

Application
EP 13759668 A 20130904

Priority
• DE 102012020871 A 20121024
• EP 2013002660 W 20130904

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.

IPC 8 full level
E02D 27/42 (2006.01)

CPC (source: EP US)
E02D 5/48 (2013.01 - EP US); **E02D 5/526** (2013.01 - EP US); **E02D 27/12** (2013.01 - EP US); **E02D 27/42** (2013.01 - EP US);
E02D 27/425 (2013.01 - EP US)

Citation (search report)
See references of WO 2014063765A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102012020871 A1 20140424; CA 2884271 A1 20140501; CA 2884271 C 20170704; DK 2912231 T3 20200224; EP 2912231 A1 20150902; EP 2912231 B1 20191113; ES 2771299 T3 20200706; US 2015308067 A1 20151029; US 9587365 B2 20170307; WO 2014063765 A1 20140501

DOCDB simple family (application)
DE 102012020871 A 20121024; CA 2884271 A 20130904; DK 13759668 T 20130904; EP 13759668 A 20130904; EP 2013002660 W 20130904; ES 13759668 T 20130904; US 201314437482 A 20130904