

Title (en)
TOWER-LIKE STRUCTURE FOR A WIND TURBINE, METHOD FOR MANUFACTURING SUCH A STRUCTURE, AND WIND TURBINE

Title (de)
TURMARTIGES BAUWERK FÜR EINE WINDKRAFTANLAGE, VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN BAUWERKS SOWIE WINDKRAFTANLAGE

Title (fr)
STRUCTURE DE TYPE TOUR DESTINÉE À UNE ÉOLIENNE, PROCÉDÉ DE FABRICATION DE LADITE STRUCTURE, ET ÉOLIENNE

Publication
EP 4363717 A1 20240508 (DE)

Application
EP 22738643 A 20220629

Priority

- BE 202105506 A 20210629
- EP 2022067914 W 20220629

Abstract (en)
[origin: WO2023275153A1] The invention relates to a tower-like structure for a wind turbine designed in particular as an offshore structure, said tower-like structure comprising at least one lower component designed in particular as a monopile and one upper component designed in particular as a transition piece which is in part placed over the lower component to form a slip joint, the upper and the lower component each having a conical component section, and the upper and the lower component each having at least one further component section which jointly forms the slip joint and which, when viewed transversely with respect to a central longitudinal axis of the structure, is located above and/or below the conical component section, the surface perpendiculars of said further component sections intersecting the longitudinal axis at an angle (α) greater than the surface perpendiculars of the conical component section. The invention also relates to: a method for manufacturing a tower-like structure, wherein at least some of the connecting elements are injection-moulded or cast onto the lower and/or the upper component; and a wind turbine, in particular an offshore wind turbine.

IPC 8 full level
F03D 13/25 (2016.01); **E02B 17/00** (2006.01); **E02B 17/02** (2006.01); **E04H 12/08** (2006.01)

CPC (source: EP)
E02B 17/0004 (2013.01); **E02B 17/027** (2013.01); **E04H 12/00** (2013.01); **F03D 13/25** (2016.05); **E02B 2017/0065** (2013.01); **E02B 2017/0091** (2013.01); **Y02E 10/72** (2013.01)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2023275153 A1 20230105; AU 2022302342 A1 20240118; BE 1029539 A1 20230125; BE 1029539 B1 20230130; CA 3224090 A1 20230105; CN 117581016 A 20240220; EP 4363717 A1 20240508; JP 2024525519 A 20240712; KR 20240046165 A 20240408

DOCDB simple family (application)
EP 2022067914 W 20220629; AU 2022302342 A 20220629; BE 202105506 A 20210629; CA 3224090 A 20220629; CN 202280046073 A 20220629; EP 22738643 A 20220629; JP 2023581082 A 20220629; KR 20247002461 A 20220629