

Title (en)

CONNECTING DEVICE FOR A TOWER-LIKE STRUCTURE, IN PARTICULAR AN OFFSHORE WIND TURBINE, TOWER-LIKE STRUCTURE COMPRISING SUCH A CONNECTING DEVICE, AND METHOD FOR MANUFACTURING SAID STRUCTURE

Title (de)

VERBINDUNGSVORRICHTUNG FÜR EIN TURMARTIGES BAUWERK INSBESONDERE EINER OFFSHORE-WINDKRAFTANLAGE, EIN TURMARTIGES BAUWERK UMFASSEND EINE SOLCHE VERBINDUNGSVORRICHTUNG SOWIE VERFAHREN ZU EINER HERSTELLUNG DES BAUWERKS

Title (fr)

DISPOSITIF DE LIAISON POUR UNE STRUCTURE DE TYPE TOUR, EN PARTICULIER UNE ÉOLIENNE EN MER, STRUCTURE DE TYPE TOUR COMPRENANT UN TEL DISPOSITIF DE LIAISON ET PROCÉDÉ PERMETTANT DE FABRIQUER LADITE STRUCTURE

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Abstract (en)

[origin: WO2023275155A1] The invention relates to a connecting device for a tower-like structure, in particular of an offshore wind turbine, said connecting device comprising a plurality of connecting elements which are in particular planar or layered and which are to be arranged between an upper component and a lower component of the structure in order to produce a slip joint and, for the purpose of load transfer between the upper component of the structure and the lower component of the structure, are to be positioned next to one another in the peripheral direction about the longitudinal axis and/or in the longitudinal direction thereof with respect to a central longitudinal axis of the structure, wherein, with respect to the longitudinal axis, the connecting device has a greater thickness in the centre thereof than at its upper and/or lower end, wherein more particularly at least one central connecting element located between an upper and a lower connecting element in the longitudinal direction has a greater thickness than the upper and/or the lower connecting element. The invention also relates to: a tower-like structure of a wind turbine, which is in particular designed as an offshore structure, comprising at least one lower component and at least one upper component which is in part placed over the lower component to form a slip joint; and a method for manufacturing a tower-like structure.

IPC 8 full level

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