

Title (en)

METHOD FOR ERECTING A WIND TURBINE TOWER

Title (de)

VERFAHREN ZUR ERRICHTUNG EINES WINDTURBINENTURMS

Title (fr)

PROCÉDÉ D'ÉRECTION D'UNE TOUR D'ÉOLIENNE

Publication

**EP 2545272 A4 20150401 (EN)**

Application

**EP 11742547 A 20110207**

Priority

- SE 1000122 A 20100209
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Abstract (en)

[origin: WO2011099915A1] The present invention concerns a wind turbine (1) including at least one tower (2), at least one base foundation (3), at least one nacelle (10) and at least one propeller (4). The propeller via its rotation turns at least one essentially horizontal axel that drives at least one generator. The wind turbine's uniqueness comes from its tower (2), via at least one bearing (7), being pivotally arranged around an axis of rotation in the tower's (2) axial direction. The present invention also concerns a method for erecting the wind turbine's tower (2). Unique to the method for erecting the tower is that the tower is joined together by sections (11), comprised of at least one first mantle plate (12) and at least one second mantle plate (13), which are sequentially assembled at the erection site on the tower's lower end (6). When the mantle plates (12, 13) in a section (11) are joined together with each other, the section (11) is then united with previously joined sections (11) in the tower's lower end (6). After each respective section (11) is joined with the tower's (2) previously united sections (11), the tower (2) is erected in the vertical direction with at least one, and preferably several, lifting bodies (18). After the required height of the tower is obtained, the tower, alternatively the tower's upper part, is secured to a bearing (7) or alternatively to an intermediate part or several intermediate parts connected to the bearing (7).

IPC 8 full level

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**Y02E 10/728** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)

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- [A] US 2009090069 A1 20090409 - WILLIS JEFFREY [US]
- [A] DE 102007016756 A1 20081009 - GERNANDT REINHOLD [DE]
- See references of WO 2011099915A1

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