

Title (en)

A tool and a method for aligning a pair of flanges of a supporting structure of a wind generator

Title (de)

Werkzeug und Verfahren zum Ausrichten eines Flanschpaares einer Stützstruktur eines Windgenerators

Title (fr)

Outil et procédé permettant d'aligner une paire de brides d'une structure de support d'une éolienne

Publication

**EP 2754783 A1 20140716 (EN)**

Application

**EP 13151024 A 20130111**

Priority

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Abstract (en)

A tool (24) and a method for aligning a pair of adjacent flanges (10,12) of adjacent segments of a supporting structure of a wind generator are provided. The tool (24) comprises a pulling member (26) having a first end (34) comprising a substantially flat contact surface (38) and a spigot (36) which projects from the contact surface (38) so as to engage a mounting aperture (18) of a first flange (71) of a pair of flanges (70,71) of adjacent segments (2,4) of the supporting structure. Furthermore, the tool (24) comprises a lever (28) which is pivotably coupled to the pulling member (26) at a joint (30) which is arranged at a second end (44) of the pulling member. The lever (28) comprises a first arm (56) and a second arm (58) having a first length and a second length, wherein the first length is greater than the second length. The lever (28) and the pulling member (26) are configured to define a distance between the contact surface (38) of the pulling member (26) and the second end (50) of the lever (28), when the spigot (36) resides in the mounting aperture (18) of the first flange (71). Said distance is arranged in that the second end (50) of the lever (28) contacts an inner surface of a second flange (70) of the pair of flanges (70,71).

IPC 8 full level

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Citation (applicant)

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Citation (search report)

- [AD] DK 177198 B1 20120529 - VESTAS WIND SYS AS [DK]
- [A] US 2011131898 A1 20110609 - NIES JACOB JOHANNES [NL], et al
- [A] US 2010307097 A1 20101209 - WORD III THOMAS NOTT [US], et al

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KR20230101084A; EP3179098A1; KR200493635Y1; EP3179099A1; US10184262B2; EP4063648A1; CN115126664A; WO2022028661A1; WO2022081116A1

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