

Title (en)

Method for providing a foundation for a mass located at height

Title (de)

Verfahren zur Bereitstellung eines Fundamentes für eine hochgelegene Masse

Title (fr)

Procédé permettant de fournir une fondation pour une masse située en hauteur

Publication

EP 2546418 A1 20130116 (EN)

Application

EP 12175860 A 20120711

Priority

BE 201100445 A 20110711

Abstract (en)

The invention relates to an efficient method for providing a foundation for a mass located at height, such as the jacket of a wind turbine or a jetty, wherein the foundation comprises a number of piles (40) driven into a bottom in a geometric pattern. The method comprises of providing a floating device (60) provided with lifting means (18); providing a positioning frame (1) comprising a number of mutually connected guide sleeves (2a,2b,2c,2d) arranged in a geometric pattern for the purpose of receiving the piles; lowering the positioning frame to the bottom (30) into a position of use via the lifting means (18); and arranging the piles in the bottom through the guide sleeves of the positioning frame in the position of use, and to a positioning frame (1) adapted to perform the method.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [XY] US 5244312 A 19930914 - WYBRO PIETER G [US], et al
- [XY] GB 2054710 A 19810218 - CJB BEARL & WRIGHT LTD
- [I] WO 2006109018 A1 20061019 - FAST FRAMES UK LTD [GB], et al
- [YA] US 4102144 A 19780725 - ANDERS EDWARD O
- [Y] WO 03074795 A1 20030912 - FAST FRAMES UK LTD [GB], et al
- [Y] EP 2067915 A2 20090610 - WESERWIND GMBH [DE]

Cited by

CN103953043A; CN109826196A; CN112112186A; CN104563079A; CN111560973A; CN114657991A; CN108980532A; NL2019068B1; CN110832143A; AU2018283762B2; WO2020122712A1; WO2020046614A1; WO2021052174A1; US10870965B2; US10865538B2; US11391008B2; WO2018231049A1

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