

Title (en)

System and method for handling wind turbine tower sections

Title (de)

System und Verfahren zur Handhabung von Windturbinenturmabschnitten

Title (fr)

Système et procédé de gestion des sections de tour d'éolienne

Publication

EP 2527284 A1 20121128 (EN)

Application

EP 11194018 A 20111216

Priority

EP 11194018 A 20111216

Abstract (en)

A lifting tool, system, and method for handling one or more wind turbine tower sections are provided. The lifting tool comprises a bracket and insert. The bracket has a base and an adaptor hole extending through the base. The insert is configured to be positioned and retained in and/or over the adaptor hole. The insert also includes bolt holes arranged along a first radius of curvature corresponding to the radius of curvature of the flange of one of the tower sections such that the bracket is configured to be bolted to the tower section. The system for handling comprises first and second lifting tools, and the method for handling corresponds to use of the lifting tool.

IPC 8 full level

B66C 1/10 (2006.01); **B66C 1/66** (2006.01)

CPC (source: EP)

B66C 1/108 (2013.01); **B66C 1/66** (2013.01)

Citation (search report)

- [X] WO 2008000262 A1 20080103 - VESTAS WIND SYS AS [DK], et al
- [X] WO 2011056251 A1 20110512 - ENGINEERED LIFTING TECHNOLOGIES INC [US], et al
- [A] WO 2011009500 A1 20110127 - SIEMENS AG [DE], et al
- [A] WO 2011131254 A2 20111027 - SIEMENS AG [DE], et al

Cited by

CN104310199A; CN109863108A; CN109983221A; US2019242522A1; US11098697B2; WO2018059644A1; WO2018073125A1

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

DOCDB simple family (publication)

EP 2527284 A1 20121128; EP 2527284 B1 20160420; DK 2527284 T3 20160606; ES 2572738 T3 20160602

DOCDB simple family (application)

EP 11194018 A 20111216; DK 11194018 T 20111216; ES 11194018 T 20111216