

Title (en)
LOAD-RECEIVING DEVICE

Title (de)
LASTAUFNAHMEEINRICHTUNG

Title (fr)
DISPOSITIF PORTE-CHARGE

Publication
EP 1597187 A1 20051123 (DE)

Application
EP 04713861 A 20040224

Priority
• EP 2004001780 W 20040224
• DE 10309501 A 20030226

Abstract (en)
[origin: WO2004076331A1] The invention relates to a load-receiving device, particularly a stop point (10) for handling movable parts such as tower segments of a wind power station. Said load-receiving device comprises a load-receiving plate (16) that extends in the direction of a longitudinal axis (14) and is provided with grip-through points (30) which are located along the two opposite longitudinal sides (18) thereof and through which at least one fastening means (32) engages for fixing the load-receiving plate (16) to the movable part. The inventive load-receiving device further comprises a U-shaped hoisting means (34) that engages with a hoisting mechanism and can be swiveled back and forth about a first axis (pivot axis 36) while being mounted so as to be rotatable relative to the load-receiving plate (16) about a second axis (axis of rotation 38) running perpendicular to the first axis (36) by means of a rotating part (40) which is connected to the load-receiving plate (16). The rotating part (40) is disposed on a transversal side (22) of the load-receiving plate (16) while the hoisting means (34) runs within an imaginary extension of the two longitudinal sides (18) of the load-receiving plate (16) when said hoisting means (34) is in a swiveled position such that as opposed to prior art the retaining bracket with the rotating part thereof is moved from the area of the longitudinal side to the area of the transversal side of the substantially cuboidal load-receiving plate, allowing potential collision points between the retaining bracket used as a hoisting means, the hoisting mechanism gripping the hoisting means, and the load that is to be moved to be definitely avoided.

IPC 1-7
B66C 1/66

IPC 8 full level
B66C 1/66 (2006.01)

CPC (source: EP US)
B66C 1/108 (2013.01 - EP US); **B66C 1/66** (2013.01 - EP US)

Citation (search report)
See references of WO 2004076331A1

Cited by
DE102011052994A1; WO2013026723A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004076331 A1 20040910; DE 10309501 A1 20040916; DE 502004002621 D1 20070222; DK 1597187 T3 20070507;
EP 1597187 A1 20051123; EP 1597187 B1 20070110; ES 2261105 T1 20061116; ES 2261105 T3 20070816; US 2006055188 A1 20060316

DOCDB simple family (application)
EP 2004001780 W 20040224; DE 10309501 A 20030226; DE 502004002621 T 20040224; DK 04713861 T 20040224; EP 04713861 A 20040224;
ES 04713861 T 20040224; US 51207004 A 20041021