

Title (en)

SUSPENSION AND HANDLING DEVICE, INTEGRATED IN THE LEGS OF A SELF ELEVATING OFFSHORE PLATFORM

Publication

EP 0425339 B1 19921014 (FR)

Application

EP 90402876 A 19901015

Priority

FR 8913934 A 19891024

Abstract (en)

[origin: EP0425339A1] Suspension and handling device integrated in the supporting legs of a self-elevating oil-prospecting platform, comprising a shell mounted displaceably on the legs by means of drive mechanisms comprising at least two opposed assemblies (12a, 12b), each formed by a motor (13) associated with at least one reducer (14, 15) driving an output pinion (11) interacting with opposed racks (5) mounted on at least some of the length of the legs, said opposed assemblies (12a, 12b) of each drive mechanism being mounted in an articulated manner on a structure (20) supporting them by means of at least one bearing (17, 18a, 18b) allowing a specific angular movement of said assemblies and of each corresponding output pinion, characterised in that said motor (13) and said at least one reducer (14, 15) of each opposed assembly (12a, 12b) are accommodated in an energy-absorbing member (21), used particularly at the moment of installation of the legs on the sea bottom, and for limiting the stresses due to the bending of said legs under the action of the swell and the wind. <IMAGE>

IPC 1-7

E02B 17/08

IPC 8 full level

E02B 17/02 (2006.01); **E02B 17/08** (2006.01)

CPC (source: EP KR US)

E02B 17/024 (2013.01 - EP US); **E02B 17/0818** (2013.01 - EP US); **E21B 43/01** (2013.01 - KR)

Cited by

CN104121348A; CN114352706A

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DK GB

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EP 0425339 A1 19910502; **EP 0425339 B1 19921014**; FR 2653462 A1 19910426; FR 2653462 B1 19920214; JP 2665394 B2 19971022; JP H03169910 A 19910723; KR 910008249 A 19910530; KR 960005724 B1 19960501; NO 177194 B 19950424; NO 177194 C 19950802; NO 904546 D0 19901022; NO 904546 L 19910425; US 5102264 A 19920407

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