

Title (en)  
SUSPENSION DEVICE FOR SUPPORTING THE LEGS OF A SELF-LIFTING OIL PLATFORM

Publication  
**EP 0271377 B1 19900509 (FR)**

Application  
**EP 87402505 A 19871105**

Priority  
FR 8616504 A 19861126

Abstract (en)  
[origin: US4880336A] The suspension device for the support legs of a jack-up oil platform having a hull movable along the legs includes a driving mechanism having a plurality of output gear pinions cooperating with racks mounted along at least a part of the legs. Each of the output gear pinions is drivable by an electric motor associated with a speed reducer which is pivotally mounted on a structure which is connected to the hull and has at least one bearing which allows a given angular movement of the speed reducer and each corresponding output gear pinion. Each speed reducer cooperates with an energy absorbing mechanism including at least one torsionally elastically yieldable support element connected to a corresponding speed reducer and affording a progressive absorption of shock particularly at the moment when the legs contact the sea floor.

IPC 1-7  
**E02B 17/08**

IPC 8 full level  
**E02B 17/04** (2006.01); **E02B 17/02** (2006.01); **E02B 17/08** (2006.01)

CPC (source: EP KR US)  
**E02B 17/024** (2013.01 - EP US); **E02B 17/04** (2013.01 - KR); **E02B 17/0818** (2013.01 - EP US); **Y10T 403/457** (2015.01 - EP US)

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EP0425339A1; FR2653462A1; US5102264A

Designated contracting state (EPC)  
GB IT NL SE

DOCDB simple family (publication)  
**EP 0271377 A1 19880615; EP 0271377 B1 19900509**; BR 8706368 A 19880726; CA 1327278 C 19940301; CN 1012974 B 19910626; CN 87107937 A 19880720; DK 167448 B1 19931101; DK 617887 A 19880527; DK 617887 D0 19871124; FI 875119 A0 19871119; FI 875119 A 19880527; FI 88321 B 19930115; FI 88321 C 19930426; FR 2607165 A1 19880527; FR 2607165 B1 19900720; IN 170521 B 19920404; JP H0451607 B2 19920819; JP S63247422 A 19881014; KR 880006427 A 19880722; KR 950008725 B1 19950804; NO 169606 B 19920406; NO 169606 C 19920715; NO 874844 D0 19871120; NO 874844 L 19880527; US 4880336 A 19891114

DOCDB simple family (application)  
**EP 87402505 A 19871105**; BR 8706368 A 19871125; CA 552782 A 19871125; CN 87107937 A 19871123; DK 617887 A 19871124; FI 875119 A 19871119; FR 8616504 A 19861126; IN 812MA1987 A 19871110; JP 29889687 A 19871126; KR 870013251 A 19871124; NO 874844 A 19871120; US 12598187 A 19871127