

Title (en)

Device controlling the load on the legs of a self-elevating platform.

Title (de)

Vorrichtung zum Kontrollieren der Kräfte auf den Stützbeinen einer selbsthebenden Plattform.

Title (fr)

Dispositif de contrôle de charge sur les piles d'une plate-forme auto-élevatrice.

Publication

**EP 0064214 A1 19821110 (FR)**

Application

**EP 82103304 A 19820420**

Priority

FR 8108095 A 19810423

Abstract (en)

1. A device for measuring the load on piles of a self-raising platform (1), said platform (1) comprising a plurality of mobile units (5) with drive gears (6) which mesh with racks (4) integral with the piles (2), said mobile units (5) each having at least one upper support structure (9) bearing on beams (3) which are integral with the platform (1) when the piles (2) rest on the bottom and said platform (1) is raised above the water, characterized in that it includes, between each upper support structure (9) and the associated beam (3), a hydraulic cushion (11) inserted in housing means (12) guided by guide means (13), the housing means (12) and the guide means (13) being integral with the beam (3) and with said upper support structure (9) respectively and being disposed so as to allow the pile (2) to assume a slightly inclined position relative to the platform (1), and in that the hydraulic cushions (11) associated with all the upper support structures (9) of the moving units (5) of a pile are interconnected on the one hand and connected on the other hand to means (20) which are sensitive to the pressure of the fluid inside the cushions (11) and said means displaying a magnitude which is representative of the load on the pile (2) in question.

Abstract (fr)

Des équipages mobiles (5) associés à chaque pile (2) engrainent des crémaillères (4) solidaires de la pile et prenant appui sur des palonniers (3) solidaires de la plate-forme servent à relever la plateforme (1) lorsque les piles sont posées sur le fond de la mer. Entre les équipages mobiles (5) et les palonniers (3) de chaque pile (2) sont disposés des coussins hydrauliques (11) reliés à un manomètre (20) fournissant l'indication de la charge supportée par la pile. Ce dispositif permettant de mesurer la charge de chaque pile est de construction simple et permet aux piles de prendre une légère inclinaison avec la plate-forme sans contraintes trop importantes dans ledit dispositif.

IPC 1-7

**E02B 17/02**

IPC 8 full level

**E02B 17/00** (2006.01); **E02B 17/02** (2006.01)

CPC (source: EP)

**E02B 17/024** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0064214 A1 19821110; EP 0064214 B1 19840926**; FR 2504676 A1 19821029; FR 2504676 B1 19840127; JP S58101919 A 19830617; JP S6018767 B2 19850513; NO 156145 B 19870421; NO 156145 C 19870729; NO 821304 L 19821025

DOCDB simple family (application)

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