

Title (en)

HINGED DEVICE HAVING A FREE END INTENDED TO SUPPORT A CANTILEVERED LOAD

Title (de)

KLAPPBARE VORRICHTUNG MIT EINEM FREIEN ENDE ZUM ABSTÜTZEN EINER FREITRAGENDEN LAST

Title (fr)

DISPOSITIF ARTICULÉ COMPORTANT UNE EXTREMITÉ LIBRE DESTINÉE À SUPPORTER UNE CHARGE EN PORTE-A-FAUX

Publication

**EP 3350500 A1 20180725 (FR)**

Application

**EP 16778220 A 20160916**

Priority

- FR 1558703 A 20150916
- EP 2016071931 W 20160916

Abstract (en)

[origin: WO2017046303A1] The invention relates to a hinged device (1) having a free end intended to support a cantilevered load, the device (1) having at least a first element (11) and a second element (12) that are connected by a hinge (C1) comprising a cylinder (2) secured to said first element (11) and a housing (3) secured to said second element (12), which are hinged together about an axis (XI) of said cylinder (2), the hinge (C1) having at least a first tension spring (4) and a second tension spring (5), each tension spring (4, 5) having an end connected to the second element (12) and an end connected to the cylinder (2) of the first element (11) at a fastening point (F4, F5), the fastening points (F4, F5) of the tension springs (4, 5) being separate from one another and situated away from the cylinder axis (XI) so as to generate a torque about said cylinder axis (XI) between the first element (11) and the second element (12) in order to oppose the torque brought about by the cantilever.

IPC 8 full level

**F16M 11/10** (2006.01); **F16M 11/20** (2006.01)

CPC (source: EP US)

**F16M 11/10** (2013.01 - EP US); **F16M 11/2021** (2013.01 - EP US); **F16M 2200/044** (2013.01 - EP US)

Citation (search report)

See references of WO 2017046303A1

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)

**FR 3041060 A1 20170317**; **FR 3041060 B1 20180302**; CA 2998784 A1 20170323; CN 108139017 A 20180608; EP 3350500 A1 20180725; JP 2018532967 A 20181108; US 2018259116 A1 20180913; WO 2017046303 A1 20170323

DOCDB simple family (application)

**FR 1558703 A 20150916**; CA 2998784 A 20160916; CN 201680060688 A 20160916; EP 16778220 A 20160916; EP 2016071931 W 20160916; JP 2018534008 A 20160916; US 201615761017 A 20160916