

Title (en)
EQUILIBRATED HOLDING DEVICE

Title (de)
HALTEVORRICHTUNG MIT GEWICHTSAUSGLEICH

Title (fr)
DISPOSITIF DE SUPPORT A EQUILIBRAGE DE POIDS

Publication
EP 1945994 A1 20080723 (DE)

Application
EP 06818454 A 20061110

Priority
• EP 2006010777 W 20061110
• DE 102005054010 A 20051110

Abstract (en)
[origin: WO2007054327A1] Disclosed is a holding device which is suitable especially for a medical optical instrument (108). Said holding device comprises a support arm (101) for accommodating a load. The support arm (101) is pivotally mounted on a holding unit (102) by means of a first revolute joint (103). The inventive holding device further comprises a means (120) for generating a longitudinal force which acts upon the support arm (101) in order to compensate load torque affecting the first revolute joint (103) of the support arm (101). The means (120) for generating a longitudinal force is pivotally mounted on the holding unit (102) and applies a force on a curved support (119) which is effectively connected to the support arm (101).

IPC 8 full level
F16M 11/04 (2006.01)

CPC (source: EP US)
A61B 90/50 (2016.02 - EP US); **F16M 11/105** (2013.01 - EP US); **F16M 11/2064** (2013.01 - EP US); **F16M 11/2092** (2013.01 - EP US); **F16M 11/24** (2013.01 - EP US); **F16M 13/02** (2013.01 - EP US); **G02B 7/001** (2013.01 - EP US); **A61B 90/20** (2016.02 - EP US); **A61B 2090/5025** (2016.02 - EP US); **F16M 2200/048** (2013.01 - EP US); **F16M 2200/063** (2013.01 - EP US)

Citation (search report)
See references of WO 2007054327A1

Cited by
CN109805669A; CN109027551A

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DE ES FR GB IT

DOCDB simple family (publication)
WO 2007054327 A1 20070518; DE 102005054010 A1 20070524; EP 1945994 A1 20080723; JP 2009514633 A 20090409; JP 2013240613 A 20131205; JP 5367374 B2 20131211; JP 5706477 B2 20150422; US 2008237413 A1 20081002; US 8205845 B2 20120626

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