

Title (en)

Suspending device for a releasably fixed load pick-up means

Title (de)

Aufhängevorrichtung für ein lösbar fixiertes Lastanschlagmittel

Title (fr)

Moyen de suspension pour un moyen de prise de charge fixé amoviblement

Publication

EP 2072699 A3 20111116 (DE)

Application

EP 08021852 A 20081217

Priority

DE 102007061349 A 20071221

Abstract (en)

[origin: EP2072699A2] The device (1) has a suspension bolt (4) arranged in a supporting frame construction (10), and two stop devices (6, 8) arranged concentric to an axis (5) of the bolt. Two radially running bars (7) are arranged between the bolt and the stop devices and connect the bolt with the stop device (6). A recess is present between the bars, where another stop device is directly arranged at the bolt. The recess is arranged concentric to the axis of the bolt that is fixedly connected with a base plate (3).

IPC 8 full level

E04B 1/19 (2006.01); **E04B 9/18** (2006.01); **F21V 21/03** (2006.01)

CPC (source: EP US)

E04B 1/19 (2013.01 - EP US); **E04B 9/18** (2013.01 - EP US)

Citation (search report)

- [X] US 5222805 A 19930629 - SCHONBEK ANDREW J [US], et al
- [X] US 1059678 A 19130422 - LUNDY JOSEPH G [US]
- [XA] US 1219591 A 19170320 - SCHMIDT HERMAN C [US]
- [X] US 4513940 A 19850430 - ALPERIN MARVIN [US], et al

Cited by

CN116292642A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2072699 A2 20090624; **EP 2072699 A3 20111116**; **EP 2072699 B1 20160406**; DE 102007061349 A1 20090625;
DE 102007061349 B4 20100128; US 2009159773 A1 20090625; US 7913966 B2 20110329

DOCDB simple family (application)

EP 08021852 A 20081217; DE 102007061349 A 20071221; US 33945608 A 20081219