

Title (en)

A STABILISING UNIT FOR A MOTOR VEHICLE

Title (de)

STABILISIERUNGSEINHEIT FÜR EIN KRAFTFAHRZEUG

Title (fr)

UNITÉ DE STABILISATION POUR VÉHICULE À MOTEUR

Publication

EP 3718948 A1 20201007 (EN)

Application

EP 20167927 A 20200403

Priority

IT 201900005076 A 20190404

Abstract (en)

The invention relates to a stabilising unit (1) for a motor vehicle (100), for example a motor crane, comprising: a stabiliser foot (2); a first hydraulic cylinder (11) which bears the stabiliser foot (2); a second hydraulic cylinder (12) which can be borne by a motor vehicle (100), which comprises a fixed part (7), and which comprises a movable part (8) which bears the first hydraulic cylinder (11); a first telescopic pipeline (31) which at a first end (41) is solidly constrained to the fixed part (7) of the second hydraulic cylinder (12) and which at a second end (42) is solidly constrained to the movable part (8) of the second hydraulic cylinder (12); a second telescopic pipeline which at a third end is solidly constrained to the fixed part (7) of the second hydraulic cylinder (12) and which at a fourth end is solidly constrained to the movable part (8) of the second hydraulic cylinder (12); a plurality of piloted check valves (51, 52, 53, 54) and a plurality of hydraulic lines (61, 62, 63, 64). The stabilising unit can comprise hydraulic directional control valves (121, 122).

IPC 8 full level

B66C 23/80 (2006.01); **B60S 9/12** (2006.01); **B66C 13/12** (2006.01)

CPC (source: EP)

B66C 13/12 (2013.01); **B66C 23/80** (2013.01)

Citation (applicant)

- DE 9301899 U1 19930729
- US 3856152 A 19741224 - PARRETT J, et al

Citation (search report)

- [IAY] US 3856152 A 19741224 - PARRETT J, et al
- [IY] CN 2601238 Y 20040128 - SANSE LIGHTING CO LTD ANHUI PR [CN]
- [YA] US 6813988 B2 20041109 - KRUPPA LEONARD [US], et al
- [A] DE 9301899 U1 19930729

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)

EP 3718948 A1 20201007; **EP 3718948 B1 20240529**; IT 201900005076 A1 20201004

DOCDB simple family (application)

EP 20167927 A 20200403; IT 201900005076 A 20190404