

Title (en)

DAMPER WITH TRAVEL LIMIT STOP PROVIDED WITH A PRESSURE LIMIT VALVE

Title (de)

DÄMPFER MIT WEGBEGRENZUNGSANSCHLAG MIT EINEM DRUCKBEGRENZUNGSVENTIL

Title (fr)

AMORTISSEUR AVEC BUTÉE DE FIN DE COURSE EQUIPÉE D'UN CLAPET DE LIMITATION DE PRESSION

Publication

EP 3948012 A1 20220209 (FR)

Application

EP 20707731 A 20200210

Priority

- FR 1903228 A 20190328
- FR 2020050224 W 20200210

Abstract (en)

[origin: WO2020193883A1] Hydraulic suspension damper comprising a damper piston which slides in an internal tube (2) and which is displaced during compression of the damper in an axial direction referred to as the forward direction, the damper piston being extended by a stop piston (10) which enters, at the end of travel of the damper, a stop chamber (16) which is provided with bores (18), forcing the fluid out of this stop chamber (16) in order to brake the travel end, the stop chamber (16) comprising a lateral bore (44) which is arranged after a predefined travel (C0) of the stop piston (10) in the stop chamber (16), and which is provided with a valve (34) for limiting the pressure in this stop chamber (16).

IPC 8 full level

F16F 9/49 (2006.01)

CPC (source: EP)

F16F 9/49 (2013.01)

Citation (search report)

See references of WO 2020193883A1

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)

WO 2020193883 A1 20201001; CN 113646557 A 20211112; CN 113646557 B 20231201; EP 3948012 A1 20220209; FR 3094434 A1 20201002; FR 3094434 B1 20211119

DOCDB simple family (application)

FR 2020050224 W 20200210; CN 202080025424 A 20200210; EP 20707731 A 20200210; FR 1903228 A 20190328