

Title (en)
STABILISER ARRANGEMENT FOR A MOTOR VEHICLE WITH AN ADJUSTABLE OSCILLATING SUPPORT

Title (de)
STABILISATORANORDNUNG FÜR EIN KRAFTFAHRZEUG MIT VERSTELLBARER PENDELSTÜTZE

Title (fr)
AGENCEMENT STABILISATEUR POUR VEHICULES A MOTEUR A SUPPORT OSCILLANT AJUSTABLE

Publication
EP 1750958 A1 20070214 (DE)

Application
EP 05750827 A 20050518

Priority
• DE 2005000910 W 20050518
• DE 102004025806 A 20040524

Abstract (en)
[origin: WO2005113273A1] A stabiliser for a motor vehicle has a stabiliser (1) tied to the car body and connected on each side of the vehicle to a piston-cylinder unit (4, 4') by means of a wheel suspension element. Each of the piston-cylinder units (4, 4') comprises at least one piston (8) arranged so as to slide in a cylinder (7), the piston (8) subdividing the cylinder (7) into a first and a second mutually separated cylinder chambers (7a, 7b). One end of the piston-cylinder units (4, 4') is joined in an articulated manner to one end of the stabiliser (1) and the other end is joined in an articulated manner to the wheel suspension element. The invention is characterised in that at least one connection line (14) is arranged in the at least one piston (8) and connects the first and second cylinder chambers (7a, 7b), in that a one-way return valve (15) is arranged in the at least one connection line (14) and in that the piston (8) can be moved into at least one end position

IPC 8 full level
B60G 21/055 (2006.01); **B60G 17/016** (2006.01)

CPC (source: EP KR US)
B60G 17/0162 (2013.01 - EP US); **B60G 21/055** (2013.01 - KR); **B60G 21/0553** (2013.01 - EP US); **B60G 21/0555** (2013.01 - EP); **B60G 2202/413** (2013.01 - EP); **B60G 2202/44** (2013.01 - EP); **B60G 2204/1224** (2013.01 - EP); **B60G 2204/82** (2013.01 - EP US); **B60G 2204/8304** (2013.01 - EP US); **B60G 2206/111** (2013.01 - EP)

Citation (search report)
See references of WO 2005113273A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005113273 A1 20051201; CN 100537284 C 20090909; CN 1960887 A 20070509; DE 102004025806 A1 20051222; DE 102004025806 B4 20081023; EP 1750958 A1 20070214; JP 2008500227 A 20080110; JP 4728328 B2 20110720; KR 20070032652 A 20070322; US 2008067769 A1 20080320; US 7828307 B2 20101109

DOCDB simple family (application)
DE 2005000910 W 20050518; CN 200580016819 A 20050518; DE 102004025806 A 20040524; EP 05750827 A 20050518; JP 2007516957 A 20050518; KR 20067023821 A 20061114; US 56953005 A 20050518