

Title (en)
GEAR LEVER WITH ADAPTIVE DAMPING

Title (de)
GETRIEBEHEBEL MIT ADAPTIVER DÄMPFUNG

Title (fr)
LEVIER DE VITESSES COMPORTANT UN AMORTISSEMENT ADAPTATIF

Publication
EP 2494239 A1 20120905 (EN)

Application
EP 10827237 A 20101021

Priority
• SE 0950803 A 20091029
• SE 1050919 A 20100907
• SE 2010051145 W 20101021

Abstract (en)
[origin: WO2011053229A1] The invention relates to a method and a system for adjusting the mechanical damping or counterforce in a gear lever (1) in a vehicle to the current driving situation, the driver's driving style and / or the way he / she changes gear. The invention is achieved by detecting the current driving situation, the driver's driving style and / or the way he / she changes gear, by calculating on the basis of the current driving situation, the driver's driving style and / or the way he / she changes gear an instantaneous value for a mechanical damping / counterforce (F) desired in the gear lever (1), and by using the calculated instantaneous value as a basis for causing an actuator (11, 20) to exert the desired damping / counterforce (F) in the gear lever (1) and thereby adjusting the damping / counterforce (F) of the gear lever (1) in relation to the current driving situation, the driver's driving style and / or the way he / she changes gear.

IPC 8 full level
B60K 20/02 (2006.01); **F16H 59/04** (2006.01); **F16H 61/24** (2006.01); **G05G 5/03** (2008.04)

CPC (source: EP)
B60K 20/02 (2013.01); **F16H 61/24** (2013.01); **B60W 2510/0638** (2013.01); **B60W 2520/10** (2013.01); **B60W 2530/10** (2013.01); **B60W 2540/10** (2013.01); **B60W 2540/12** (2013.01); **B60W 2540/18** (2013.01); **B60W 2555/20** (2020.02); **B60W 2556/50** (2020.02); **F16H 59/04** (2013.01); **F16H 2059/003** (2013.01); **F16H 2059/666** (2013.01); **F16H 2061/241** (2013.01)

Cited by
FR3086638A1; EP3702271A1; FR3093322A1

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

DOCDB simple family (publication)
WO 2011053229 A1 20110505; BR 112012009762 A2 20190924; EP 2494239 A1 20120905; EP 2494239 A4 20130515; SE 1050919 A1 20110430; SE 534224 C2 20110607

DOCDB simple family (application)
SE 2010051145 W 20101021; BR 112012009762 A 20101021; EP 10827237 A 20101021; SE 1050919 A 20100907