

Title (en)  
HYDRAULIC SUSPENSION SYSTEM FOR A VEHICLE

Title (de)  
HYDRAULISCHES AUFHÄNGUNGSSYSTEM FÜR EIN FAHRZEUG

Title (fr)  
SYSTEME DE SUSPENSION HYDRAULIQUE D'UN VEHICULE

Publication  
**EP 3436291 A1 20190206 (FR)**

Application  
**EP 17712212 A 20170302**

Priority  

- FR 1652660 A 20160329
- FR 1652661 A 20160329
- FR 2017050472 W 20170302

Abstract (en)  
[origin: WO2017168065A1] Hydraulic suspension system for a motor vehicle wheelset, comprising, for each wheel, a suspension spring (17b), a shock absorber (1b) of the type having a cylinder and a piston able to move in the cylinder in order therein to delimit two, respectively compression and expansion, chambers and interposed between the bodysell of the vehicle and the vehicle wheel steering knuckle, a compressible mechanical end stop (7b), a hydraulic end stop (9b) with a piston mounted in the compression chamber, this suspension system being characterized in that it additionally comprises an antiroll bar (30) connecting the two steering knuckles of the wheelset, which is able to make the transition between a first and a second state, a stiffness of the antiroll bar in the second state being lowered by comparison with the first state.

IPC 8 full level  
**B60G 7/04** (2006.01); **B60G 21/055** (2006.01); **F16F 9/49** (2006.01)

CPC (source: EP)  
**B60G 7/04** (2013.01); **B60G 21/0553** (2013.01); **F16F 9/49** (2013.01); **F16F 9/585** (2013.01); **B60G 2204/45** (2013.01); **B60G 2204/4502** (2013.01); **B60G 2400/0511** (2013.01)

Citation (search report)  
See references of WO 2017168065A1

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 2017168065 A1 20171005**; CN 108883678 A 20181123; EP 3436291 A1 20190206

DOCDB simple family (application)  
**FR 2017050472 W 20170302**; CN 201780020929 A 20170302; EP 17712212 A 20170302