

Title (en)
A SHOCK ABSORBER FOR A MOTOR VEHICLE

Title (de)
SCHALLDÄMPFER FÜR EIN KRAFTFAHRZEUG

Title (fr)
AMORTISSEUR POUR VEHICULE A MOTEUR

Publication
EP 1888357 A4 20081210 (EN)

Application
EP 06821679 A 20060609

Priority
• IN 2006000201 W 20060609
• IN 695MU2005 A 20050610

Abstract (en)
[origin: WO2007023506A2] A shock absorber (1, 201) comprising a spring combination (17, 18) having first and second spring elements (17, 18) having capacity to store energy from vehicle vibrations, said first and second spring elements (17, 18) being operatively disposed to share load due to road induced vibrations and resultant shear stresses from compression and expansion of the spring elements during motion of the vehicle (100) are within allowable limits. Spring elements (17, 18) may be disposed over a hydraulic cylinder (4) forming a further element of the shock absorber. Such a shock absorber (1, 201) has cost, comfort and reliability advantages when applied to vehicles such as motorcycles.

IPC 8 full level
B60G 11/14 (2006.01); **B60G 11/56** (2006.01); **B60G 15/07** (2006.01); **B62K 25/04** (2006.01); **F16F 7/00** (2006.01); **F16F 9/00** (2006.01)

CPC (source: EP)
B60G 15/063 (2013.01); **F16F 1/041** (2013.01); **F16F 3/04** (2013.01); **B60G 2204/12422** (2013.01)

Citation (search report)
• [X] DE 938638 C 19560202 - HERMANN HEMSCHEIDT FA
• [X] JP 2001099220 A 20010410 - KAYABA INDUSTRY CO LTD
• [X] DE 938352 C 19560126 - HEMSCHEIDT MASCHF HERMANN
• [X] DE 1209444 B 19660120 - BOGE GMBH
• [X] DE 19830922 A1 20000120 - SCHREIBER JENS UWE [DE]
• [X] JP S565211 A 19810120 - ITO HIROYUKI
• [X] DE 1023345 B 19580123 - DAIMLER BENZ AG
• See references of WO 2007023506A2

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007023506 A2 20070301; WO 2007023506 A3 20070712; AP 2007004254 A0 20071231; AP 2206 A 20110207; AR 057365 A1 20071128; BR PI0612053 A2 20101013; CN 101193766 A 20080604; CN 101193766 B 20110720; CR 9583 A 20090911; DO P2006000134 A 20061231; EC SP077988 A 20080428; EP 1888357 A2 20080220; EP 1888357 A4 20081210; PE 20070065 A1 20070405; TW 200720142 A 20070601

DOCDB simple family (application)
IN 2006000201 W 20060609; AP 2007004254 A 20060609; AR P060102473 A 20060612; BR PI0612053 A 20060609; CN 200680020358 A 20060609; CR 9583 A 20071210; DO 2006000134 A 20060612; EC SP077988 A 20071207; EP 06821679 A 20060609; PE 2006000651 A 20060612; TW 95120863 A 20060612