

Title (en)
A DAMPING DEVICE

Title (de)
EINE DÄMPFUNGSVORRICHTUNG

Title (fr)
SYSTEME AMORTISSEUR

Publication
EP 0986711 A1 20000322 (EN)

Application
EP 99932520 A 19990212

Priority
• GB 9900454 W 19990212
• GB 9803047 A 19980213

Abstract (en)
[origin: WO9941525A1] A damping device (10) for use in a drive line, the device (10) including co-axially arranged first and second parts (11, 12) which can rotate relative to each other by a limited amount in response to torsional vibrations and/or torque fluctuations in the drive line. The device also includes a spring (50) which is stressed in at least two independent manners to resist relative rotation of the first and second parts (11, 12) and hence damp the said vibrations and/or fluctuations. The damping device (10) may form part of a twin mass flywheel (1) or a fluid coupling such as a torque converter or frottinger coupling. There is also disclosed a damping device (10) in which the co-axially arranged first and second parts (11, 12) are interconnected by a linkage. A friction damper (60, see Figure 3) is provided which acts directly on components pivotally connected by a pivot of the linkage. The friction damper being arranged co-axially of the pivot.

IPC 1-7
F16F 15/131; **F16F 15/134**

IPC 8 full level
F16F 15/134 (2006.01); **F16F 15/12** (2006.01); **F16F 15/133** (2006.01)

CPC (source: EP)
F16F 15/1202 (2013.01); **F16F 15/1204** (2013.01); **F16F 15/1333** (2013.01); **F16F 2236/08** (2013.01); **F16F 2236/12** (2013.01); **F16H 45/02** (2013.01)

Citation (search report)
See references of WO 9941525A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 9941525 A1 19990819; AU 4481299 A 19990830; EP 0986711 A1 20000322; GB 2338773 A 19991229; GB 2338773 B 20020731; GB 9803047 D0 19980408; GB 9923478 D0 19991208; JP 2001520737 A 20011030

DOCDB simple family (application)
GB 9900454 W 19990212; AU 4481299 A 19990212; EP 99932520 A 19990212; GB 9803047 A 19980213; GB 9923478 A 19990212; JP 54121699 A 19990212