

Title (en)
BRAKE WEAR COMPENSATOR

Title (de)
BREMSE MIT VERSCHLEISSNACHSTELLVORRICHTUNG

Title (fr)
COMPENSATEUR D'USURE DE FREINS

Publication
EP 1409885 A1 20040421 (EN)

Application
EP 02702190 A 20020221

Priority
• CA 0200217 W 20020221
• US 26986501 P 20010221

Abstract (en)
[origin: WO02066852A1] A disc brake assembly (10) has a housing (12) mounted to a vehicle and two rotor discs mounted to a wheel of the vehicle. Three annular brake shoes (30,54,76) are operatively supported by the housing (12) and a support structure of the vehicle, respectively. Rotor discs and two of the annular brake shoes are adapted to move axially towards an axially restrained brake shoe for frictional engagement with one another during a brake action. The housing (12) includes an annular radial wall (14) and a plurality of axial link members (16) circumferentially spaced apart from one another. The link members (16) are secured to the support structure of the vehicle using mounting screws (102) received in mounting bores (100) thereof. Each mounting bore (100) extends radially through an elongated key (98) and is offset from the center of the key. The elongated key (98) is adapted to be inserted in opposite orientations in an elongated aperture defined in the distal end of the axial link member (16) of the housing (12) so that the axial position of the mounting bores (100) is selected. The simple structure of the housing (12) provides an adjustment feature to reduce the travel distance of moving parts to compensate for wear. This wear compensation solution is reliable and inexpensive.

IPC 1-7
F16D 55/28; **F16D 55/36**; **F16D 55/34**; **F16D 55/40**; **F16D 65/44**; **F16D 65/12**

IPC 8 full level
F16D 55/42 (2006.01); **F16D 65/14** (2006.01); **F16D 65/44** (2006.01)

CPC (source: EP)
F16D 55/42 (2013.01); **F16D 65/186** (2013.01); **F16D 65/42** (2013.01); **F16D 65/44** (2013.01); **F16D 65/54** (2013.01); **F16D 2065/1328** (2013.01); **F16D 2121/02** (2013.01); **F16D 2125/14** (2013.01)

Citation (search report)
See references of WO 02066852A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02066852 A1 20020829; CA 2475452 A1 20020829; EP 1409885 A1 20040421

DOCDB simple family (application)
CA 0200217 W 20020221; CA 2475452 A 20020221; EP 02702190 A 20020221