

Title (en)

SPRING FOR RETRACTING AND RETAINING A PAD IN A CALIPER TYPE DISC BRAKE ASSEMBLY

Title (de)

FEDER ZUM ZURÜCKZIEHEN UND HALTEN EINES BELAGS EINER SCHEIBENBREMSE MIT BREMSSATTEL

Title (fr)

RESSORT DE RETRACTION ET DE RETENUE DE PLAQUETTE DANS UN ENSEMBLE FREIN A DISQUE A COMPAS

Publication

**EP 1336055 A4 20050112 (EN)**

Application

**EP 01979238 A 20011018**

Priority

- US 0127775 W 20011018
- US 24098800 P 20001018

Abstract (en)

[origin: WO0233282A1] A disc brake uses retraction springs arranged in directions transverse to the direction of movement of the brake pads. The springs thus apply both tangential and radial forces to the brake pads to both retract the pads and to reduce rattle. In the preferred embodiment, the springs are S-shaped and attached to the pad backing plates by insertion of the ends of the springs into holes in the backing plates.

IPC 1-7

**F16D 65/097**

IPC 8 full level

**F16D 65/097** (2006.01)

CPC (source: EP)

**F16D 65/095** (2013.01); **F16D 65/0972** (2013.01); **F16D 65/0975** (2013.01)

Citation (search report)

- [X] DE 2931071 A1 19810312 - TEVES GMBH ALFRED
- [X] DE 4332713 A1 19950330 - TEVES GMBH ALFRED [DE]
- [A] EP 0243624 A1 19871104 - ALLIED CORP [US]
- [X] US 5549181 A 19960827 - EVANS ANTHONY C [US]
- See references of WO 0233282A1

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 0233282 A1 20020425**; AU 1122302 A 20020429; EP 1336055 A1 20030820; EP 1336055 A4 20050112; JP 2004511738 A 20040415

DOCDB simple family (application)

**US 0127775 W 20011018**; AU 1122302 A 20011018; EP 01979238 A 20011018; JP 2002536233 A 20011018