

Title (en)

VALVE ROTATING DEVICE

Title (de)

VENTILDREHVORRICHTUNG

Title (fr)

DISPOSITIF DE ROTATION POUR SOUPAPE

Publication

EP 1268986 B1 20030730 (DE)

Application

EP 01927826 A 20010328

Priority

- DE 10015417 A 20000328
- EP 0103545 W 20010328

Abstract (en)

[origin: DE10015417A1] The device has a ring-shaped body (12) with ball pockets containing balls (16), a relatively moveable cover (22), and an axial spring unit (30) between ring and cover. The spring unit is located at a distance to the balls, and carries a pivot bearing (24) on an axial side. The balls are in contact with the cover. The ring-shaped body has been three and six, pref. four evenly distributed pockets. The axial spring unit has at least one plate spring (32), pref. a spring assembly. The pivot bearing is a needle bearing.

IPC 1-7

F01L 1/32

IPC 8 full level

F01L 1/32 (2006.01)

CPC (source: EP US)

F01L 1/32 (2013.01 - EP US)

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)

US 2003037742 A1 20030227; US 6662770 B2 20031216; AT E246310 T1 20030815; AU 5475201 A 20011008; DE 10015417 A1 20010125;
DE 50100444 D1 20030904; EP 1268986 A1 20030102; EP 1268986 B1 20030730; WO 0173270 A1 20011004

DOCDB simple family (application)

US 23905202 A 20020919; AT 01927826 T 20010328; AU 5475201 A 20010328; DE 10015417 A 20000328; DE 50100444 T 20010328;
EP 0103545 W 20010328; EP 01927826 A 20010328