

Title (en)
TORSION SPRING SET

Title (de)
DREHFEDERSATZ

Title (fr)
ENSEMBLE A RESSORT DE TORSION

Publication
EP 1259744 A1 20021127 (DE)

Application
EP 01976260 A 20010927

Priority
• DE 10049001 A 20000927
• EP 0111200 W 20010927

Abstract (en)
[origin: WO0227212A1] The invention relates to a torsion spring set especially for the drive train of a motor vehicle, comprising a first internally located component (1) and a second externally located component (2) arranged in such a way that it can be rotated in relation thereto, further comprising a spring (3) acting between the first and second components (1, 2) embodied in the form of a torsion spring, also comprising a first securing device (7) for connecting a first end section (9) of the spring (3) to the first component (1) and a second securing device (8) for connecting a second end section (10) of the spring (3) to the second component (2). The spring (3) extends substantially in the direction of the periphery over at least one part of the periphery of the second component (1). At least one of the securing devices (7, 8) is embodied in such a way that the first and/or second end sections (9, 10) is/are moved in a radial direction to the second component (2) when the first component (1) is rotated.

IPC 1-7
F16F 15/121; **F16D 3/52**

IPC 8 full level
F16D 3/52 (2006.01); **F16D 3/62** (2006.01); **F16F 1/02** (2006.01); **F16F 1/10** (2006.01); **F16F 1/12** (2006.01); **F16F 1/14** (2006.01); **F16F 1/42** (2006.01); **F16F 15/121** (2006.01); **F16F 15/126** (2006.01)

CPC (source: EP KR US)
F16D 3/52 (2013.01 - EP US); **F16D 3/62** (2013.01 - EP US); **F16F 1/025** (2013.01 - EP US); **F16F 1/14** (2013.01 - EP US); **F16F 1/422** (2013.01 - EP US); **F16F 15/121** (2013.01 - KR); **F16F 15/1213** (2013.01 - EP US)

Citation (search report)
See references of WO 0227212A1

Designated contracting state (EPC)
DE ES FR IT SE

DOCDB simple family (publication)
WO 0227212 A1 20020404; AU 9558601 A 20020408; BR 0112075 A 20030701; CN 1418296 A 20030514; DE 10049001 A1 20020425; DE 10049001 C2 20030410; EP 1259744 A1 20021127; JP 2004510111 A 20040402; KR 20030029140 A 20030411; MX PA02012916 A 20040812; US 2004026840 A1 20040212

DOCDB simple family (application)
EP 0111200 W 20010927; AU 9558601 A 20010927; BR 0112075 A 20010927; CN 01806464 A 20010927; DE 10049001 A 20000927; EP 01976260 A 20010927; JP 2002530555 A 20010927; KR 20037002421 A 20030219; MX PA02012916 A 20010927; US 38097603 A 20030320