

Title (en)

Torque wrench and device for adjusting the stiffness of a spring

Title (de)

Drehmomentschlüssel und Einrichtung zur Einstellung der Steifigkeit einer Feder

Title (fr)

Outil dynamometrique et dispositif de réglage de la raideur d'un ressort

Publication

**EP 1655106 A1 20060510 (FR)**

Application

**EP 04405677 A 20041104**

Priority

EP 04405677 A 20041104

Abstract (en)

The tool (10) has an adjusting unit movable with respect to a spring (14) and intended to connect a handle (12) to a coil of the spring for modulating number of active coils. The adjusting unit has a rod (24) movably mounted within the spring by being screwed and threaded with pitch adapted to that of coils of the spring. The spring is placed in a rest position and is not subjected to any constraints when the tool is not utilized. An independent claim is also included for a device for tensioning a spring of a torque tool.

IPC 8 full level

**B25B 23/143** (2006.01); **A61B 17/58** (2006.01); **F16F 1/13** (2006.01)

CPC (source: EP)

**B25B 23/1427** (2013.01)

Citation (search report)

- [Y] US 2002040628 A1 20020411 - KEMP JESSE [US], et al
- [XY] DE 20308838 U1 20030814 - CHOU CHENG MING [TW]
- [XY] DE 3609437 A1 19870924 - VDO SCHINDLING [DE]
- [XY] US 4517848 A 19850521 - FAURE RAYMOND [FR]
- [A] DE 2935300 A1 19800320 - HOUDAILLE LELAURAIN SA
- [A] US 6471197 B1 20021029 - DENK PETER [DE], et al
- [A] DE 19614246 C1 19970904 - DAIMLER BENZ AG [DE]
- [A] DE 894639 C 19531026 - KUHNKE HELLMUTH

Cited by

CN109551411A; US8327740B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1655106 A1 20060510**

DOCDB simple family (application)

**EP 04405677 A 20041104**