

Title (en)  
Spring tensioner for tensioning a helical compression spring

Title (de)  
Innenspanner zum Spannen einer Schraubendruckfeder

Title (fr)  
Dispositif pour comprimer un ressort de compression helicoidal

Publication  
**EP 1591207 B1 20100303 (DE)**

Application  
**EP 04030379 A 20041222**

Priority  
DE 202004006807 U 20040428

Abstract (en)  
[origin: EP1591207A1] A replacement helical spring (2) forms part of an automotive shock absorber assembly and is presented for re-assembly in a non-tensioned condition. The spring is placed under tension for re-assembly by a compression tool (3) with an integral threaded spindle (4) with two end plates (7, 8) whose position relative to each other is varied by rotation. The plates further incorporated peripheral detents (30, 54) on their inner faces (24, 49) that engage with the spring tips.

IPC 8 full level  
**B25B 27/30** (2006.01)

CPC (source: EP)  
**B25B 27/304** (2013.01)

Cited by  
JP2016175168A; WO2022083815A1; CN106624751A; CN108161417A; CN102837289A; CN108581954A; CN101947762A; CN115135453A; CN102837288A

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

DOCDB simple family (publication)  
**EP 1591207 A1 20051102; EP 1591207 B1 20100303**; AT E459456 T1 20100315; DE 202004006807 U1 20040715; DE 502004010851 D1 20100415; ES 2340275 T3 20100601

DOCDB simple family (application)  
**EP 04030379 A 20041222**; AT 04030379 T 20041222; DE 202004006807 U 20040428; DE 502004010851 T 20041222; ES 04030379 T 20041222