

Title (en)
Internal spring tensioner with distancers

Title (de)
Innenfederspanner mit Distanzstücken

Title (fr)
Tendeur à ressort intérieur équipé d'entretoises

Publication
EP 2532481 A3 20150603 (DE)

Application
EP 12169287 A 20120524

Priority
DE 202011050353 U 20110606

Abstract (en)
[origin: EP2532481A2] The internal spring compressor (1) has a central clamping unit (2), at which two clamping plates (3) are fixed for coupling with a suspension spring. The clamping plates have a receiving surface for receiving a spring segment. The clamping plates are movable to each other by the clamping unit. The distance pieces (4) are arranged on the clamping plates for positive receiving of the spring segment in a replaceable manner.

IPC 8 full level
B25B 27/30 (2006.01)

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

Citation (search report)

- [X] US 4558500 A 19851217 - KLOSTER KENNETH D [US]
- [XYI] DE 102007057549 A1 20090604 - KLANN HORST [DE]
- [X] DE 202007002633 U1 20070426 - KLANN SPEZIAL WERKZEUGBAU GMBH [DE]
- [X] DE 29819740 U1 19990610 - KLANN TOOLS LTD [GB]
- [Y] DE 10109752 C1 20020814 - HAZET WERK ZERVER HERMANN [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 202011050353 U1 20110711; CN 102837288 A 20121226; CN 102837288 B 20150506; EP 2532481 A2 20121212; EP 2532481 A3 20150603

DOCDB simple family (application)
DE 202011050353 U 20110606; CN 201210332101 A 20120606; EP 12169287 A 20120524