

Title (en)
SPRING COMPRESSOR

Title (de)
FEDERSPANNER

Title (fr)
COMPRESSEUR DE RESSORT

Publication
EP 4084932 B1 20240131 (DE)

Application
EP 21765832 A 20210812

Priority
• DE 202020106011 U 20201021
• DE 2021100689 W 20210812

Abstract (en)
[origin: WO2022083815A1] The invention relates to a spring compressor having a loading device (3), which is axially insertable into a coil spring (2) to be loaded, and having a first and a second loading plate (4, 5), which can be coupled to the loading device (3) at a distance from each other, the second loading plate (5) having an opening (7) for receiving the loading device (3), a pressure piece (10) being displaceable along the loading device (3) by the effect of an actuator in order to adjust the distance between the loading plates (4, 5), wherein a calotte-shaped contact surface (19) for force transmission and an anti-rotation means is formed between the pressure piece (10) and the second loading plate (5) in order to prevent a rotation of the pressure piece (10) relative to the loading plate (5), wherein the anti-rotation means has protrusions and pockets for the protrusions (20). The protrusions and the pockets interrupt the calotte-shaped contact surface in the circumferential direction and divide it into contact surface regions which are separate from each other, wherein the calotte-shaped contact surface regions are larger in total in the circumferential direction than the circumferential region in which the protrusions and the pockets are arranged.

IPC 8 full level
B25B 27/30 (2006.01)

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

Citation (examination)
DE 202021104272 U1 20210817 - GEDORE HOLDING GMBH [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

DOCDB simple family (publication)
DE 202020106011 U1 20201030; CN 115135453 A 20220930; CN 115135453 B 20230804; EP 4084932 A1 20221109; EP 4084932 B1 20240131; WO 2022083815 A1 20220428

DOCDB simple family (application)
DE 202020106011 U 20201021; CN 202180016014 A 20210812; DE 2021100689 W 20210812; EP 21765832 A 20210812