

Title (en)

TENSIONING DEVICE FOR TENSIONING A HELICAL SPRING

Title (de)

SPANNVORRICHTUNG ZUM SPANNEN EINER SCHRAUBENFEDER

Title (fr)

DISPOSITIF DE SERRAGE DESTINÉ À SERRER UN RESSORT HÉLICOÏDALE

Publication

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Application

EP 18701674 A 20180110

Priority

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Abstract (en)

[origin: WO2018130548A1] The invention relates to a tensioning device (01) for tensioning a helical spring (02), which is mounted on a main shaft (03) and, at a fixed end, is rotationally connected to a frame. The tensioning device (01) comprises a gear drive (05) and a holding element (19) which holds a second gear element (11) in the position of driving engagement with a first gear element (06). The tensioning device (01) further comprises a drive element. The gear drive is a bevel gear transmission, wherein the first gear element (06) is a bevel gear (06) and the second gear element (07) is a bevel gear pinion (07), and the rotational axes of the two gear elements (06, 07) extend perpendicularly to one another. The bevel gear (06) is integrally connected to a guide bushing (10); it has a central opening (09) through which the main shaft (03) extends, and a cylindrical accommodating section (12) in which the free end of the helical spring (02) is fixed.

IPC 8 full level

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CPC (source: EP US)

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