

Title (en)
CONNECTION DEVICE FOR TWO MEMBERS

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EP 0169463 B1 19880330 (DE)

Application
EP 85108753 A 19850712

Priority
DE 3427414 A 19840725

Abstract (en)
[origin: EP0169463A1] 1. Connection device for two antagonistically movable members (A, B), wherein a fixed base part (1, 1a, 1b) is supported, via mutually supporting bearing elements and an interposed tension bar (3) which connects the members and is disposed at the centre of the members and of the spring (6), against a working part (2, 2a, 2b) which can be swivelled relative to said base part against the restoring force of a spring, and wherein in the course of deflection the lever arm present between the fulcrum point and the line of action of the spring is greater than zero, so that the force of the spring is simultaneously used to generate the restoring torque, characterised in that a) one of the members (A or B) has a U-shaped cross-section with diverging legs and the other member (B or A) has the form of a cap component overlapping the diverging legs from the web, b) the point of application of force of the tension bar on one member (A or B) - in the direction in which the force of the spring acts - is remote from the plane of the bearing and c) that within the free inner space formed by the spring (6) perpendicular to the longitudinal axis of the tension bar (3), said tension bar (3) can move in its undeflected position, one end of the tension bar being able to maintain the position on the undeflected longitudinal axis.

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CPC (source: EP)
E01F 9/627 (2016.02); **E04B 1/58** (2013.01)

Citation (examination)
US 3197552 A 19650727 - FLAIR HENRY J

Cited by
EP0654563A1; FR2671837A1; CN107178052A; ES2238902A1; EP0212847A1; CN110524573A; CN110524574A

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