

Title (en)

Device to adjust the spring force of an office chair

Title (de)

Vorrichtung zur Federkraftverstellung bei einem Bürostuhl

Title (fr)

Dispositif destiné au réglage de la force de ressort d'un siège de bureau

Publication

EP 2070445 B1 20101020 (DE)

Application

EP 08020663 A 20081127

Priority

DE 102007059985 A 20071211

Abstract (en)

[origin: EP2070445A1] The device has a detent bearing with detent recesses for an articulation axle of a spring (70). A sun gear, a hollow wheel and a slide bearing are coupled with a hand wheel and a drive axle such that the sun gear, the hollow wheel and the slide bearing are driven until the articulation axle is disengaged from one of the recesses, and the sun gear, a planet wheel and a pivoted lever are driven until the articulation axle is adjusted and engaged in the adjacent recess during the actuation of the hand wheel and the drive axle.

IPC 8 full level

A47C 1/032 (2006.01)

CPC (source: EP US)

A47C 1/03255 (2013.01 - EP); **A47C 1/03266** (2013.01 - EP US); **A47C 1/03272** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2070445 A1 20090617; **EP 2070445 B1 20101020**; AT E484980 T1 20101115; DE 102007059985 B3 20090409; ES 2355006 T3 20110322

DOCDB simple family (application)

EP 08020663 A 20081127; AT 08020663 T 20081127; DE 102007059985 A 20071211; ES 08020663 T 20081127