

Title (en)
Synchronisation mechanism for office chairs

Title (de)
Synchronmechanik für Bürostühle

Title (fr)
Mécanisme synchrone pour chaises de bureau

Publication
EP 1989962 B1 20120307 (DE)

Application
EP 08007666 A 20080419

Priority
• DE 102007021781 A 20070507
• DE 102007040175 A 20070825

Abstract (en)
[origin: EP1989962A1] The mechanism has a spring arrangement (16) for application of the mechanism against a synchronous adjusting movement of a seat support (6) and a backrest support (5). The spring arrangement has a helical spring, and an adjusting arrangement (24) is provided for a counter spring force of the spring arrangement. The adjusting arrangement has a latch, which is inserted into a winding channel (30) of the spring from an end of the spring. The spring is locked in an area of the channel against spring deformation, where the channel acts on the latch, and has variable engagement depths.

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)

Cited by
CN102846068A; WO2017135367A1; US9458895B2; US9512886B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE 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 1989962 A1 20081112; EP 1989962 B1 20120307; AT E547966 T1 20120315; DE 102007040175 B3 20080605

DOCDB simple family (application)
EP 08007666 A 20080419; AT 08007666 T 20080419; DE 102007040175 A 20070825