

Title (en)
Synchronised mechanism for an office chair

Title (de)
Synchronmechanik für Bürostühle

Title (fr)
Mécanisme synchrone pour chaise de bureau

Publication
EP 1537804 B1 20070228 (DE)

Application
EP 04025029 A 20041021

Priority
DE 10357165 A 20031206

Abstract (en)
[origin: EP1537804A1] Synchronizing mechanism comprises a spring arrangement (10) having an extension spring (24) arranged parallel to the sliding direction of a seat support (4) and between a bearings. Preferred Features: One or more bearings for increasing the spring length can be adjusted to adjust the pre-tension of further extension springs (22). Each adjustable bearing is formed by a receiving hook which is hinged on an cam. The cam can be rotated by an adjusting drive via a worm gear pair.

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); **A47C 1/03294** (2013.01 - EP)

Cited by
EP2926690A1; CN112384106A; US9549614B2; WO2010028412A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1537804 A1 20050608; **EP 1537804 B1 20070228**; AT E354992 T1 20060315; CN 100569144 C 20091216; CN 1623471 A 20050608; DE 10357165 A1 20050630; DE 502004003024 D1 20070412; DK 1537804 T3 20070625

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EP 04025029 A 20041021; AT 04025029 T 20041021; CN 200410096942 A 20041206; DE 10357165 A 20031206; DE 502004003024 T 20041021; DK 04025029 T 20041021