Title (en)

TILT MECHANISM FOR A CHAIR

Title (de)

NEIGEMECHANISMUS FÜR EINEN STUHL

Title (fr)

MÉCANISME D'INCLINAISON POUR CHAISE

Publication

EP 4335324 A1 20240313 (EN)

Application

EP 22194098 A 20220906

Priority

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Abstract (en)

A tilt mechanism for a chair comprises a base (10), a back support (12) configured to support a chair back (104), a seat support (11) configured to support a chair seat (103), a first link element (30), a second link element (20), a spring element (40), and a forward sitting adjustment element (50). A first end (31) of the first link element (30) is pivotably coupled to the base (10). A first end (21) of the second link element (20) is pivotably coupled to the back support (12) and a second end (22) of the second link element (20) is coupled to a second end (32) of the first link element (30). A first end (41) of the spring element (40) is mounted at the base (10) and a second end (42) of the spring element (40) is urging against the first link element (30) at an adjustable position between the first end (31) and the second end (32) of the first link element (30). The forward sitting adjustment element (50) is movable between a first position and a second position. When the forward sitting adjustment element (50) is in the first position, a distance piece (51, 52) of the forward sitting adjustment element (50) is arranged between a stop surface (24) of the second end (22) of the second link element (20) and a stop surface (17) of the base (10) thus keeping a predefined minimum distance (18) between the stop surface (24) of the second end (22) of the second link element (20) and the stop surface (17) of the base (10). When the forward sitting adjustment element (50) is in the second position, the distance piece (51, 52) of the forward sitting adjustment element (50) is not arranged between the stop surface (24) of the second end (22) of the second link element (20) and the stop surface (17) of the base (10) thus allowing the stop surface (24) of the second end (22) of the second link element (20) to contact the stop surface (17) of the base (10).

IPC 8 full level

A47C 1/032 (2006.01)

CPC (source: EP)

A47C 1/03238 (2013.01); **A47C 1/03255** (2013.01); **A47C 1/03266** (2013.01); **A47C 1/03272** (2013.01)

Citation (search report)

- [A] US 7766426 B2 20100803 - MEIDAN DANIEL [CA]
- [A] WO 2013017279 A1 20130207 - HAWORTH INC [US], et al

Designated contracting state (EPC)

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

Designated extension state (EPC)

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Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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