

Title (en)  
ARTICULATION MECHANISM FOR CHAIRS

Title (de)  
GELENKMECHANISMUS FÜR STÜHLE

Title (fr)  
MÉCANISME D'ARTICULATION POUR CHAISES

Publication  
**EP 3599940 B1 20210331 (EN)**

Application  
**EP 18728757 A 20180226**

Priority  
• IT 201700031748 A 20170322  
• IT 2018050030 W 20180226

Abstract (en)  
[origin: WO2018173085A1] Articulation mechanism (1) for chairs comprising a frame (2), a support (4) for a seat-backrest body (5) and a first (6) and a second (7) articulation system configured in such a manner that the articulation mechanism takes on an at-rest configuration and a maximum tilting configuration, where the second articulation system (7) comprises a first slot (8) afforded in one between the support (4) and the frame (2) and a first pin (9) firmly constrained to the other between the support (4) and the frame (2), where the first pin (9) slidably engages the first slot (8) and where a first angle (10) formed between a tangent (11) to the first slot (8) in an instant contact point (12) and a horizontal line (13), above the horizontal line (13), faces rearward.

IPC 8 full level  
**A47C 3/026** (2006.01)

CPC (source: EP)  
**A47C 3/026** (2013.01)

Citation (examination)  
• US 144603 A 18731118  
• WO 2016166728 A1 20161020 - CO FE MO IND S R L [IT]  
• EP 3420853 A1 20190102 - KOKUYO KK [JP]  
• WO 2007010618 A1 20070125 - DAIEI DREAM CO LTD [JP], et al  
• US 5603551 A 19970218 - SHEEHAN KELLY [US]

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

DOCDB simple family (publication)  
**WO 2018173085 A1 20180927**; EP 3599940 A1 20200205; EP 3599940 B1 20210331; IT 201700031748 A1 20180922

DOCDB simple family (application)  
**IT 2018050030 W 20180226**; EP 18728757 A 20180226; IT 201700031748 A 20170322