

Title (en)  
ANGLE ADJUSTER AND FURNITURE ITEM USING THE SAME

Title (de)  
WINKELVERSTELLER UND MÖBELSTÜCK DAMIT

Title (fr)  
ORGANE DE RÉGLAGE D'ANGLE ET MEUBLE L'UTILISANT

Publication  
**EP 3925488 A1 20211222 (EN)**

Application  
**EP 21178713 A 20210610**

Priority  
JP 2020105274 A 20200618

Abstract (en)  
Provided is an angle adjuster (10) that can avoid destruction or damage of components when an overload is applied and that is reusable after the overload is removed, and a furniture item using the angle adjuster (10). The angle adjuster (10) includes a support (20), a rotating shaft (40) supported at one end of the support (20) so as not to rotate, a winding and tightening member (50) in pressure contact with an outer peripheral surface of the rotating shaft (40), and a rocking body (30) having an attachment portion (32) on one end, the attachment portion (32) being connected to the rotating shaft (40) via the winding and tightening member (50), in which when an overload is applied to the rocking body (30), an increase in a frictional force of the winding and tightening member (50) to the outer peripheral surface of the rotating shaft (40) is restricted, and the overload causes the winding and tightening member (50) to slide on the outer peripheral surface of the rotating shaft (40) and rotate.

IPC 8 full level  
**A47C 1/027** (2006.01); **A47C 1/03** (2006.01); **A47C 7/38** (2006.01)

CPC (source: CN EP KR)  
**A47C 1/027** (2013.01 - EP); **A47C 1/0308** (2018.08 - EP); **A47C 7/38** (2013.01 - EP); **A47C 17/00** (2013.01 - CN); **A47C 17/04** (2013.01 - KR); **A47C 20/04** (2013.01 - CN KR); **A47C 31/02** (2013.01 - KR); **A47G 9/10** (2013.01 - CN)

Citation (applicant)  
JP 4519555 B2 20100804

Citation (search report)  
• [XA] EP 2845515 A1 20150311 - HIKARI CO LTD [JP]  
• [A] WO 2016010444 A1 20160121 - STALMOT & WOLMET SPÓŁKA AKCYJNA [PL]  
• [A] EP 3031357 B1 20170726 - SCHÄTTI AG [CH], et al  
• [AD] JP 4519555 B2 20100804

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)  
BA ME

DOCDB simple family (publication)  
**EP 3925488 A1 20211222**; **EP 3925488 B1 20231115**; CN 113812800 A 20211221; CN 215959129 U 20220308; ES 2968611 T3 20240513; JP 2021194461 A 20211227; JP 6830703 B1 20210217; KR 102523663 B1 20230420; KR 20210156740 A 20211227; PL 3925488 T3 20240513

DOCDB simple family (application)  
**EP 21178713 A 20210610**; CN 202110302381 A 20210322; CN 202120583649 U 20210322; ES 21178713 T 20210610; JP 2020105274 A 20200618; KR 20210059919 A 20210510; PL 21178713 T 20210610