

Title (en)
FURNITURE WITH ACTUATING ARM SYSTEM

Title (de)
MÖBEL MIT STELLARMANORDNUNG

Title (fr)
MEUBLE AVEC SYSTÈME DE BRAS D'ACTIONNEMENT

Publication
EP 2467550 A1 20120627 (DE)

Application
EP 10749749 A 20100810

Priority
• AT 13062009 A 20090820
• AT 2010000291 W 20100810

Abstract (en)
[origin: WO2011020130A1] The invention relates to a piece of furniture (4) with an actuating arm arrangement (2) for a flap (3) of the piece of furniture (4), wherein the actuating arm arrangement (2) comprises a lever arrangement (5) for moving the flap (3) and a main spring (7) that acts in the closing direction (SR) to hold the flap (3) closed. The piece of furniture also has an ejecting device (6) for ejecting the flap (3) in the opening direction (OR) by overpressing the flap (3) in the closing direction (SR), said ejecting device lying on the piece of furniture (4) or on the actuating arm arrangement (2). At least one support spring (12) which acts in the opening direction (OR) and which is separate from the ejecting device (6) is provided for supporting the ejecting motion of the ejecting device (6). At least in an overpressed closed position (ÜS), the spring forces (A, U), which act on the flap (3) in the opening direction (OR) and which are provided by the ejecting device (6) and the support spring (12), are together greater than the closing force (Z), which acts on the flap (3) and which is provided by the main spring (7) acting in the closing direction (SR).

IPC 8 full level
E05F 1/12 (2006.01); **E05F 1/10** (2006.01); **E05F 5/00** (2006.01); **E05F 5/08** (2006.01)

CPC (source: AT EP US)
A47B 96/00 (2013.01 - US); **E05D 3/16** (2013.01 - EP US); **E05F 1/1041** (2013.01 - AT); **E05F 1/12** (2013.01 - US); **E05F 1/1276** (2013.01 - EP US); **E05F 5/006** (2013.01 - US); **E05F 5/02** (2013.01 - EP US); **E05D 2003/163** (2013.01 - EP US); **E05F 1/1058** (2013.01 - EP US); **E05F 1/1075** (2013.01 - EP US); **E05F 1/1261** (2013.01 - EP US); **E05F 5/08** (2013.01 - EP US); **E05Y 2201/218** (2013.01 - US); **E05Y 2201/22** (2013.01 - EP US); **E05Y 2201/221** (2024.05 - EP); **E05Y 2201/232** (2013.01 - EP US); **E05Y 2201/244** (2013.01 - US); **E05Y 2201/424** (2013.01 - EP US); **E05Y 2201/618** (2013.01 - EP US); **E05Y 2201/626** (2013.01 - EP US); **E05Y 2400/3013** (2024.05 - EP US); **E05Y 2800/00** (2013.01 - US); **E05Y 2800/72** (2013.01 - EP US); **E05Y 2900/20** (2013.01 - EP US)

Cited by
EP3739158A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011020130 A1 20110224; AT 508698 A1 20110315; AT 508698 B1 20170715; CN 102472070 A 20120523; CN 102472070 B 20140604; EP 2467550 A1 20120627; EP 2467550 B1 20161005; EP 3029251 A1 20160608; HU E031471 T2 20170728; JP 2013502517 A 20130124; JP 5770730 B2 20150826; US 2012161598 A1 20120628; US 2014319987 A1 20141030; US 8807670 B2 20140819; US 9277817 B2 20160308

DOCDB simple family (application)
AT 2010000291 W 20100810; AT 13062009 A 20090820; CN 201080036703 A 20100810; EP 10749749 A 20100810; EP 16000012 A 20100810; HU E10749749 A 20100810; JP 2012524997 A 20100810; US 201213399205 A 20120217; US 201414298018 A 20140606