

Title (en)

DEVICE FOR MECHANICALLY CLOSING A MOVABLE FURNITURE PART AND METHOD FOR OPENING AND CLOSING A MOVABLE FURNITURE PART

Title (de)

VORRICHTUNG ZUM MECHANISCHEN SCHLIEßEN EINES BEWEGBAREN MÖBELTEILS UND VERFAHREN ZUM ÖFFNEN UND SCHLIEßEN EINES BEWEGBAREN MÖBELTEILS

Title (fr)

DISPOSITIF DESTINÉ À LA FERMETURE MÉCANIQUE D'UN ÉLÉMENT DE MEUBLE MOBILE ET PROCÉDÉ D'OUVERTURE ET DE FERMETURE D'UN ÉLÉMENT DE MEUBLE MOBILE

Publication

EP 3850176 A1 20210721 (DE)

Application

EP 19765996 A 20190906

Priority

- EP 2019073850 W 20190906
- DE 102018122289 A 20180912

Abstract (en)

[origin: WO2020053094A1] The invention relates to a device (10) for mechanically closing a movable furniture part (3), which device comprises a stored energy source (29), which is at least partly loaded as the movable furniture part (3) is manually opened and is at least partly unloaded as the movable furniture part (3) is closed, and a holding mechanism for holding the stored energy source (29) in a loaded state, wherein a timing element (9) is provided, which can be triggered when the movable furniture part reaches an open position, in order to release the holding mechanism and move the movable furniture part (3) in the closing direction after a predefined amount of time has passed. The invention further relates to a method for opening and closing a movable furniture part (3).

IPC 8 full level

E05F 1/00 (2006.01); **A47B 88/467** (2017.01); **E05F 1/10** (2006.01); **E05F 5/02** (2006.01)

CPC (source: EP)

A47B 88/467 (2016.12); **E05F 1/008** (2013.01); **E05F 1/1066** (2013.01); **E05F 5/027** (2013.01); **E05F 5/02** (2013.01); **E05Y 2201/256** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2201/41** (2013.01); **E05Y 2201/626** (2013.01); **E05Y 2800/24** (2013.01); **E05Y 2900/20** (2013.01)

Citation (search report)

See references of WO 2020053094A1

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)

DE 102018122289 A1 20200312; CN 112739880 A 20210430; CN 112739880 B 20221129; EP 3850176 A1 20210721; EP 3850176 B1 20221228; WO 2020053094 A1 20200319

DOCDB simple family (application)

DE 102018122289 A 20180912; CN 201980057451 A 20190906; EP 19765996 A 20190906; EP 2019073850 W 20190906