

Title (en)

CLOSING DEVICE FOR CLOSING A DOOR OR WINDOW LEAF

Title (de)

SCHLIEßVORRICHTUNG ZUM SCHLIEßEN EINES TÜR- ODER FENSTERFLÜGELS

Title (fr)

DISPOSITIF DE FERMETURE POUR FERMER UN BATTANT DE PORTE OU DE FENÊTRE

Publication

EP 3665354 A1 20200617 (DE)

Application

EP 18786746 A 20181012

Priority

- DE 102017124034 A 20171016
- EP 2018077855 W 20181012

Abstract (en)

[origin: WO2019076746A1] The invention relates to a closing device (10) for closing a door or window leaf, comprising a spring piston (16) which is acted upon by a spring (14) for applying a closing force to a closing shaft (18) and a damping piston (22) for damping the movement of the closing shaft (18). In order to allow a closing device to be provided in an inexpensive manner using simple structural means, the closing device is designed and developed such that the damping piston (22) or the spring piston (16) has a piston body (32, 62) which is produced monolithically and is primary-shaped from the plastic or liquid state.

IPC 8 full level

E05F 3/10 (2006.01)

CPC (source: EP)

E05F 3/104 (2013.01); **E05Y 2201/688** (2013.01); **E05Y 2800/45** (2013.01); **E05Y 2800/46** (2013.01); **E05Y 2800/465** (2013.01); **E05Y 2900/132** (2013.01)

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 102017124034 A1 20190418; DE 202018006612 U1 20210705; EP 3665354 A1 20200617; EP 3665354 B1 20231129; FI 3665354 T3 20240102; RS 65306 B1 20240430; WO 2019076746 A1 20190425

DOCDB simple family (application)

DE 102017124034 A 20171016; DE 202018006612 U 20181012; EP 18786746 A 20181012; EP 2018077855 W 20181012; FI 18786746 T 20181012; RS P20240248 A 20181012