

Title (en)

Drive device to operate the leaf of a door or window

Title (de)

Antriebseinrichtung für einen Flügel eines Fensters oder einer Tür

Title (fr)

Dispositif d'entraînement pour un battant d'une fenêtre ou d'une porte

Publication

EP 2743437 A3 20171011 (DE)

Application

EP 13196465 A 20131210

Priority

DE 202012104880 U 20121214

Abstract (en)

[origin: EP2743437A2] The device (1) has an electric motor drive (3) that is concealed in a rebate space between a window frame (2) and a wing frame and is arranged in a closed position of a wing. The drive comprises a rigid chain (4) which is movable on a side through a pinion gear and is fixed to an opposite side on a lever (5). The lever is extended parallel to the chain. The chain transmits both tensile forces and compressive forces between the window frame and the wing frame. The lever is rotatably mounted about an axis on the wing frame or the window frame.

IPC 8 full level

E05F 11/06 (2006.01)

CPC (source: EP)

E05F 11/06 (2013.01); **E05F 15/619** (2015.01); **E05Y 2201/656** (2013.01); **E05Y 2600/412** (2013.01); **E05Y 2900/55** (2013.01)

Citation (search report)

- [XDI] DE 202008004021 U1 20080521 - SCHUECO INT KG [DE]
- [XAI] DE 202010000269 U1 20110823 - STG BEIKIRCH INDUSTRIELEKTRONIK & SICHERHEITSTECHNIK GMBH & CO KG [DE]
- [A] WO 2006089545 A1 20060831 - VKR HOLDING AS [DK], et al

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 202012104880 U1 20140317; EP 2743437 A2 20140618; EP 2743437 A3 20171011; EP 2743437 B1 20200422

DOCDB simple family (application)

DE 202012104880 U 20121214; EP 13196465 A 20131210