

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 2103766 A3 20110223 (DE)**

Application

**EP 09152119 A 20090205**

Priority

DE 202008004024 U 20080320

Abstract (en)

[origin: EP2103766A2] The opening system for windows and doors comprises an electric motor connected to a chain or cable (4) which opens them. The motor is concealed between the frame (2) of the opening section and the surround when the window or door is closed. The motor is mounted on a lever (8) which lifts it away from the frame, allowing wider opening angles.

IPC 8 full level

**E05F 11/06** (2006.01); **E05F 15/12** (2006.01)

CPC (source: EP)

**E05F 11/06** (2013.01); **E05F 15/619** (2015.01); **E05Y 2201/434** (2013.01); **E05Y 2201/626** (2013.01); **E05Y 2201/656** (2013.01); **E05Y 2201/724** (2013.01); **E05Y 2600/10** (2013.01); **E05Y 2600/412** (2013.01); **E05Y 2800/232** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

- [XY] DE 19756915 A1 19990715 - ESCO METALLBAUBESCHLAG HANDEL GMBH [DE]
- [YD] DE 102006013332 A1 20070927 - SCHUECO INT KG [DE]
- [XD] DE 20120604 U1 20020228 - WINKHAUS FA AUGUST [DE]
- [XP] DE 202008004021 U1 20080521 - SCHUECO INT KG [DE]

Designated contracting state (EPC)

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 202008004024 U1 20080521**; EP 2103766 A2 20090923; EP 2103766 A3 20110223; EP 2103766 B1 20191016

DOCDB simple family (application)

**DE 202008004024 U 20080320**; EP 09152119 A 20090205