

Title (en)
Window or door with drive device

Title (de)
Fenster oder Tür mit Antriebsvorrichtung

Title (fr)
Fenêtre ou porte avec dispositif d'entraînement

Publication
EP 1437475 A3 20100210 (DE)

Application
EP 03029335 A 20031219

Priority
• DE 10300653 A 20030109
• DE 10300654 A 20030109

Abstract (en)
[origin: EP1437475A2] The movable window frame (1) fits into the fixed frame (2). It has an opening restricting mechanism (3) at the top, with a diagonal rod (4) and a slider (13) in a groove in the top edge of the frame. A winder in the top of the window frame pulls in a flexible chain which passes over a pulley and has an attachment to the diagonal rod.

IPC 8 full level
E05F 15/12 (2006.01); **E05D 15/52** (2006.01)

CPC (source: EP)
E05F 11/06 (2013.01); **E05F 15/619** (2015.01); **E05F 15/63** (2015.01); **E05D 15/52** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)
• [XA] EP 1076147 A2 20010214 - WINKHAUS FA AUGUST [DE]
• [DXY] DE 20120604 U1 20020228 - WINKHAUS FA AUGUST [DE]
• [X] DE 19603768 A1 19970807 - WINKHAUS FA AUGUST [DE]
• [X] WO 0229192 A2 20020411 - CALDWELL MFG CO [US], et al
• [X] EP 1223287 A2 20020717 - HAUTAU GMBH W [DE]
• [Y] EP 1219771 A2 20020703 - ESCO METALLBAUBESCHLAEGE [DE]
• [X] WO 9520091 A1 19950727 - INTERLOCK IND LTD [NZ], et al

Cited by
WO2012095229A1; WO2012095228A1; EP2780640B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
EP 1437475 A2 20040714; EP 1437475 A3 20100210; EP 1437475 B1 20170802; EP 2674560 A2 20131218; EP 2674560 A3 20140514

DOCDB simple family (application)
EP 03029335 A 20031219; EP 13182566 A 20031219