

Title (en)

Concealed thermally separated wood/metal window sash frames

Title (de)

Verdeckt liegender thermisch getrennter Holz/Metall- Fensterflügelrahmen

Title (fr)

Cadre de battant de fenêtre en bois/métal séparé thermiquement et installé de manière recouverte

Publication

**EP 2423421 A3 20130605 (DE)**

Application

**EP 11177476 A 20110812**

Priority

DE 102010035346 A 20100824

Abstract (en)

[origin: EP2423421A2] The sash frame outer shell is made of wood or plastic, and is arranged at a fixed frame in a pivoted manner. The sash frame outer shell is pivotable along an axis of rotation, and has an inner shell (7), a central frame (11) and an outer shell (17). The inner shell, the central frame and the outer shell are configured as hollow profiles. An independent claim is also included for a window frame.

IPC 8 full level

**E06B 3/263** (2006.01); **E06B 3/54** (2006.01); **E06B 3/62** (2006.01); **E06B 7/23** (2006.01)

CPC (source: EP)

**E06B 3/26303** (2013.01); **E06B 3/5481** (2013.01); **E06B 3/549** (2013.01); **E06B 3/62** (2013.01); **E06B 7/2309** (2013.01); **E06B 2003/26389** (2013.01); **E06B 2003/6223** (2013.01)

Citation (search report)

- [XY] DE 202004016404 U1 20050127 - SCHINDLER GMBH & CO FENSTER FA [DE]
- [XY] DE 20203748 U1 20020814 - FISCHL JOSEPH [DE]
- [Y] AT 10584 U1 20090615 - FOSODEDER HUBERT [AT]

Cited by

CN103321558A; CN105735840A

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)

**EP 2423421 A2 20120229**; **EP 2423421 A3 20130605**; **EP 2423421 B1 20160518**; DE 102010035346 A1 20120301;  
DE 102010035346 B4 20190307

DOCDB simple family (application)

**EP 11177476 A 20110812**; DE 102010035346 A 20100824