

Title (en)  
Windows or doors

Title (de)  
Fenster oder Türe

Title (fr)  
Fenêtres ou portes

Publication  
**EP 1449996 A3 20090624 (DE)**

Application  
**EP 04003515 A 20040217**

Priority  
DE 10307311 A 20030220

Abstract (en)  
[origin: EP1449996A2] Window or door comprises a frame element (5) for inserting in a wall opening, and a tilting, rotating, folding, turning, lifting and/or pivoting frame-less leaf element (1) with an electric drive. The leaf element is a frame-less glass pane. Adjusting elements (6) for the leaf element are provided in the frame element. The leaf element is mounted via the adjusting elements in the frame element and the load of the leaf element is transferred via the adjusting elements into the frame element and from there into the brickwork. Preferred Features: The leaf element is provided with a peripheral baseboard (2). The adjusting elements can be electronically programmed or can be operated by hand.

IPC 8 full level  
**E05B 47/02** (2006.01); **E05B 63/14** (2006.01); **E05B 65/00** (2006.01); **E05D 5/02** (2006.01); **E05D 15/52** (2006.01); **E06B 3/30** (2006.01); **E06B 3/32** (2006.01); **E06B 3/22** (2006.01)

CPC (source: EP)  
**E05B 47/026** (2013.01); **E05B 63/143** (2013.01); **E05B 65/0025** (2013.01); **E05D 15/52** (2013.01); **E06B 3/308** (2013.01); **E05D 15/5211** (2013.01); **E05Y 2900/148** (2013.01); **E06B 3/221** (2013.01)

Citation (search report)  
• [XAY] DE 19603768 A1 19970807 - WINKHAUS FA AUGUST [DE]  
• [DX] DE 10113535 A1 20020926 - JECHNERER HELMUT [DE]  
• [XA] DE 9302352 U1 19930415  
• [Y] DE 19517511 A1 19960829 - AL BOHN FENSTERSYSTEME GMBH [DE]  
• [Y] DE 29912375 U1 19990909 - SCHUECO INT KG [DE]

Cited by  
EP2031170A3; GB2464559A; EP3636862A1

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 1449996 A2 20040825**; **EP 1449996 A3 20090624**; DE 10307311 A1 20041028; DE 10307311 B4 20070726; PL 365366 A1 20040823; RU 2004105063 A 20050720; RU 2272115 C2 20060320

DOCDB simple family (application)  
**EP 04003515 A 20040217**; DE 10307311 A 20030220; PL 36536604 A 20040218; RU 2004105063 A 20040219