

Title (en)
Folding wing door

Title (de)
Faltflügeltür

Title (fr)
Porte à vantaux pliables

Publication
EP 0794310 B1 20010627 (DE)

Application
EP 96810120 A 19960304

Priority
EP 96810120 A 19960304

Abstract (en)
[origin: EP0794310A1] The door (1) has a number of folding leaves (10,12,13,15) joined in pairs by links (11,14). The linear drive system (2) opens and closes the door leaves which are locked against a forced opening by an active, controlled locking system (25,26). The locking system is mechanically connected to the linear drive system both of which are on the top of the door. The first folding leaves (10,15) pivot on a fixed pivot axle (9,16). The second folding leaves (12,13) are pivotally connected to the first folding leaves by links. The linear drive system comprises a linear drive element (4) driven by a motor (5) and connected mechanically to the second folding leaves. The locking system each comprises a locking element swivelling on a fixed pivot axle and mechanically connected to the linear drive element.

IPC 1-7
E05F 15/10

IPC 8 full level
E05F 15/10 (2006.01); **E05B 65/00** (2006.01); **E05F 15/14** (2006.01)

CPC (source: EP)
E05F 15/605 (2015.01); **E05B 65/0085** (2013.01); **E05F 15/643** (2015.01); **E05Y 2201/22** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2900/132** (2013.01)

Citation (examination)
DE 3843174 A1 19900628 - STRIEGEL METALLFORM GMBH [DE]

Cited by
FR2925565A1; DE19817210C2; EP1088959A1; BE1019437A3; FR2783275A1; ITPR20090052A1; CN102555740A; CN107829656A; CN111904351A; CN107074500A; AU2015334875B2; US10087047B2; WO2016062840A1

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0794310 A1 19970910; EP 0794310 B1 20010627; AT E202618 T1 20010715; DE 59607170 D1 20010802

DOCDB simple family (application)
EP 96810120 A 19960304; AT 96810120 T 19960304; DE 59607170 T 19960304