

Title (en)

Folding door with two or more inherently rigid folding shutter elements with alternate element edges that do not bend out and element edges that bend out in alternation and operating device for the same

Title (de)

Falttor mit zwei oder mehreren in sich starren Fallladenelementen mit abwechselnd nicht ausknickenden und ausknickenden Elementkanten sowie Betätigungsvorrichtung hierfür

Title (fr)

Porte accordéon avec deux éléments de volet pliant rigides en soi dotés de bords infléchissants et non infléchissants en alternance et dispositif d'actionnement correspondant

Publication

EP 2634341 A3 20160525 (DE)

Application

EP 13001076 A 20130304

Priority

- DE 202012002090 U 20120302
- DE 202012004753 U 20120514
- DE 202013000449 U 20130117

Abstract (en)

[origin: EP2634341A2] The gate (10) has a folding loading element (12B) comprising an element edge with a guiding unit (17) i.e. guiding carriage, for moving a gate element edge (13B), where the guiding unit is connected to a guiding rails (16A). The gate edge has a coupling point (2) for raising and lowering of the gate edge. A displacement unit (7) i.e. two-arm lever (4), is arranged between the coupling point and the guiding unit for displacing the coupling point with respect to the guiding unit during the beginning of opening phase of the gate and during the end of closing phase of the gate.

IPC 1-7

E05F 15/10

IPC 8 full level

E05D 15/26 (2006.01); **E06B 3/48** (2006.01); **E06B 9/06** (2006.01)

CPC (source: EP US)

E05D 15/0686 (2013.01 - US); **E05D 15/26** (2013.01 - US); **E05D 15/262** (2013.01 - EP US); **E05D 15/264** (2013.01 - EP US); **E05F 15/605** (2015.01 - EP US); **E06B 9/0638** (2013.01 - EP US); **E06B 9/0676** (2013.01 - EP US); **E06B 9/58** (2013.01 - US); **E06B 9/68** (2013.01 - US); **E05Y 2201/626** (2013.01 - EP US); **E05Y 2201/684** (2013.01 - EP US); **E05Y 2201/688** (2013.01 - EP US); **E05Y 2201/71** (2013.01 - EP US); **E05Y 2800/102** (2013.01 - EP US); **E05Y 2800/12** (2013.01 - EP US); **E05Y 2900/106** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US); **E05Y 2900/146** (2013.01 - EP US); **E06B 3/481** (2013.01 - EP US); **E06B 3/483** (2013.01 - EP US)

Citation (search report)

- [YD] WO 2008125343 A1 20081023 - BELU AG [DE], et al
- [YA] US 2039296 A 19360505 - COLLINS HAROLD F

Cited by

CZ308673B6

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)

DE 202013000449 U1 20130604; EP 2634341 A2 20130904; EP 2634341 A3 20160525; US 2013228292 A1 20130905; US 2016108664 A1 20160421; US 9255430 B2 20160209

DOCDB simple family (application)

DE 202013000449 U 20130117; EP 13001076 A 20130304; US 201313782548 A 20130301; US 201514984617 A 20151230