

Title (en)  
AUTOMATIC SLIDING FIRE DOOR

Title (de)  
AUTOMATISCHE FEUERSCHUTZ-SCHIEBETÜR

Title (fr)  
PORTE COULISSANTE COUPE-FEU AUTOMATIQUE

Publication  
**EP 3696358 A3 20201118 (EN)**

Application  
**EP 20151342 A 20200113**

Priority  
SI 201900010 A 20190111

Abstract (en)  
The present invention belongs to the field of construction, more precisely to the field of door for special purposes, particularly for preventing fire expansion. The invention relates to automatic sliding fire door with swing leafs, which can operate in a sliding or swing manner, wherein no protruding elements such as door handles and panic bars are required for opening said door leafs. The door comprises a longitudinal holder - door drive unit, into which at least one sliding door leaf is installed via a trolley so that the leaf may be moved in a sliding manner. The sliding door leaf comprises a leaf and a sliding doorframe, onto which the leaf is mounted with at least one hinge for allowing opening in the swing mode. The door further comprises a self-closure for self-closing of swing leaf integrated in the sliding doorframe, a flexible tube sealing in a groove between the leaf and the doorframe or between two leafs an assembly for forced closure of sliding leafs in emergency, and a recessed handle for pulling the door leaf in the swing mode. In emergency cases passage through the door is allowed by pushing the door open from one side and by pulling the recessed handle from the other side.

IPC 8 full level  
**E05F 1/00** (2006.01); **E05F 1/16** (2006.01); **E05F 15/643** (2015.01); **E05F 15/646** (2015.01); **E06B 5/16** (2006.01)

CPC (source: EP)  
**E05F 1/006** (2013.01); **E05F 1/16** (2013.01); **E05F 15/643** (2015.01); **E05F 15/646** (2015.01); **E06B 1/6015** (2013.01); **E06B 3/26301** (2013.01); **E06B 3/4636** (2013.01); **E06B 3/5072** (2013.01); **E06B 3/58** (2013.01); **E06B 5/16** (2013.01); **E06B 5/164** (2013.01); **E06B 7/2309** (2013.01); **E05D 2015/485** (2013.01); **E05Y 2201/41** (2013.01); **E05Y 2201/484** (2013.01); **E05Y 2201/654** (2013.01); **E05Y 2201/664** (2013.01); **E05Y 2800/25** (2013.01); **E05Y 2900/134** (2013.01)

Citation (search report)  
• [I] WO 2006096142 A2 20060914 - DOORSON D O O [SI], et al  
• [A] GB 2106972 A 19830420 - DIXON INTERNATIONAL LTD [GB]

Cited by  
WO2022243110A1; CN113202374A; CN112049545A; CN113982439A

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 3696358 A2 20200819; EP 3696358 A3 20201118**; SI 25774 A 20200731

DOCDB simple family (application)  
**EP 20151342 A 20200113**; SI 201900010 A 20190111