

Title (en)
SLIDING FIRE DOOR AND RESPECTIVE SLIDING GUIDE SYSTEM

Title (de)
FEUERSCHUTZSCHIEBETÜR UND ENTSPRECHENDES SCHIEBEFÜHRUNGSSYSTEM

Title (fr)
PORTE COUPE-FEU COULISSANTE ET SYSTÈME DE GUIDAGE COULISSANT CORRESPONDANT

Publication
EP 4006293 A1 20220601 (EN)

Application
EP 21204024 A 20211021

Priority
IT 202000026939 A 20201111

Abstract (en)
A sliding fire door (10) is described, comprising: at least one sliding panel (12) for closing a passageway (P); one upper linear guide (14) fixed to a wall (W) at the passageway (P) and oriented along a direction (X) which is horizontal and parallel with respect to a walking surface (F); sliding means (16) integral with the sliding panel (12) and slidably engaged with the upper linear guide (14) to allow the sliding panel (12) to translate between opening and closing positions of the passageway (P); a lower linear guide (18) fixed to the walking surface (F) at the passageway (P) and parallel to the upper linear guide (14); guide means (20) fixed below the sliding panel (12) and engageable with the lower linear guide (18). The lower linear guide (18) comprises one or more box-shaped channels (22), which can be buried below the walking surface (F) and comprise an upper wall (24) which is arranged to be coplanar with respect to the walking surface (F) and is provided with an elongated slot (26) oriented along the second horizontal direction (Y). Each guide means (20) consists of an elongated profile, oriented along the second horizontal direction (Y) and having an inverted T shape in cross section, comprising a vertical flat portion (28) arranged to slidably fit into the elongated slot (26), and a horizontal flat portion (30), which is arranged to slide within the box-shaped channel (22) at a predefined distance (D) below the upper wall (24).

IPC 8 full level
E06B 3/46 (2006.01); **E05D 15/06** (2006.01)

CPC (source: EP)
E05D 15/0656 (2013.01); **E05D 15/0686** (2013.01); **E06B 3/4636** (2013.01); **E06B 5/16** (2013.01); **E05Y 2900/134** (2013.01)

Citation (applicant)
CN 105927079 A 20160907 - XIAMEN BAISHE HOUSEHOLD ITEMS CO LTD

Citation (search report)
• [A] CN 105927079 A 20160907 - XIAMEN BAISHE HOUSEHOLD ITEMS CO LTD
• [A] US 2019383078 A1 20191219 - TSIMBIKOS GEORGIOS [GR]
• [A] KR 101999086 B1 20190710 - CHANG JI YOUNG [KR]
• [A] DE 202012101529 U1 20120626 - RONNY EYSER KARSTEN BODE UND ALEXANDER GRIMM GBR VERTRETEN DURCH DIE GESELLSCHAFTER KARSTEN BODE [DE]
• [A] US 2010064590 A1 20100318 - JONES TOBY [US], et al
• [A] CN 108590436 A 20180928 - WISH INTERACTIVE TECH CO LTD
• [A] CA 2465041 A1 20051022 - EWING BRADLEY K [CA]

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EP4343100A1; IT202200019401A1

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 4006293 A1 20220601; **EP 4006293 B1 20230802**; **EP 4006293 C0 20230802**; ES 2962800 T3 20240321; IT 202000026939 A1 20220511; PL 4006293 T3 20240122

DOCDB simple family (application)
EP 21204024 A 20211021; ES 21204024 T 20211021; IT 202000026939 A 20201111; PL 21204024 T 20211021