

Title (en)
Folding closure device

Title (de)
Faltbare Schließvorrichtung

Title (fr)
Dispositif de fermeture pliable

Publication
EP 2020478 A3 20150114 (EN)

Application
EP 08161691 A 20080802

Priority
IT BO20070551 A 20070802

Abstract (en)
[origin: EP2020478A2] A folding closure device is fit to be associated to the edges of an opening or passage and comprises at least a plurality of elongated elements (2). Each elongated element (2) has at least a longitudinal side (5, 7) rotatably connected by hinge means (3, 4) to a longitudinal side (5, 7) of an adjacent elongated element (2). Said elongated elements (2) are movable between an opening condition of the passage, in which said elements (2) are, or are almost, mutual faced and a closing condition of said passage in which the elements (2) are coplanar or almost coplanar. A longitudinal sliding side (5) of each elongated element (2) is associated in sliding manner to at least a guiding means (6). The rotation axes of the hinge means (3) of the longitudinal sliding sides (5) of the elongated elements (2) define a respective fixed geometric plane and the rotation axes of the hinge means (4) of opposite longitudinal sides (7) of said elements (2) define a movable geometric plane more distanced from the at least a guiding means (6) in respect to the fixed geometric plane in any condition, also in closing condition, of the device (1).

IPC 8 full level
E06B 9/06 (2006.01); **A47B 96/20** (2006.01)

CPC (source: EP)
E06B 9/0638 (2013.01); **E06B 9/0669** (2013.01)

Citation (search report)
• [A] US 2937398 A 19600524 - LATHAM ALLEN E
• [A] US 6148895 A 20001121 - BIGGERS DOUGLAS W [US]
• [A] WO 9401650 A1 19940120 - GIOVANETTI QUINTO [IT]

Cited by
EP3460163A1; FR3071271A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2020478 A2 20090204; EP 2020478 A3 20150114; EP 2020478 B1 20170412; ES 2631907 T3 20170906; IT BO20070551 A1 20090203

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EP 08161691 A 20080802; ES 08161691 T 20080802; IT BO20070551 A 20070802