

Title (en)
FOLDING DOOR WITH RIGID NON-WARPING WINGS

Publication
EP 0152533 B1 19880107 (DE)

Application
EP 84112546 A 19841018

Priority
DE 3405897 A 19840218

Abstract (en)
[origin: EP0152533A1] 1. Folding door, whose door leaves or members (3 to 5, 7 to 9) are constructed in torsionally stiff manner and mounted in self-supporting manner in swivel hinges (14, 16) with vertical swivel pins (17, 18) and in the open position are folded in individually superimposed zig-zag-like manner to form at least one group (20, 21) with a guide member (32, 33, 35) at the top on a door member in the vicinity of the hingeside end of the outermost, even-numbered door member, with a guide rail (31) in which the guide member is guided and which is mounted in stationary manner along the upper edges of the door members in the closed position and with a stable locking member (50, 51) releasable against spring loading for locking the group in the open position and which in the vicinity of the position occupied by the guide member with the group folded is located in the guide rail and has on its end opposite to the guide member a sloping entry edge (54) and following onto the same a stop depression (55) for the guide member, characterized in that the locking element (50, 51) is a two-armed lever, which is pivotably mounted about a vertical axis (52), that the entry edge (54) and stop depression (55) are provided externally on a lever arm facing the guide member, that a loading spring (56) is supported on the other lever arm and urges the locking element into its locking position, in which the guide member in the open position of the group has dropped into the stop depression and is detachably secured between the stop depression and the facing wall of the guide rail and that one or more end stops (70, 71) are provided on the door members and associated fixing counterpieces (78) for locking the door in the closed position.

IPC 1-7
E06B 3/48; **E05D 15/26**

IPC 8 full level
E05D 15/26 (2006.01); **E06B 3/48** (2006.01); **E05F 5/00** (2006.01)

CPC (source: EP)
E05D 15/26 (2013.01); **E06B 3/481** (2013.01); **E05F 5/003** (2013.01); **E05Y 2800/00** (2013.01); **E05Y 2900/132** (2013.01)

Cited by
AT399198B; EP0238808A3; EP0209386A3; EP0468223A3; EP0408934A3; EP0277531A1; DE3844320A1; EP1552094A4; AU2010201467B2; WO2004101939A1; WO2004016893A1; US11480011B2; US11591838B2

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

DOCDB simple family (publication)
EP 0152533 A1 19850828; **EP 0152533 B1 19880107**; AT E31776 T1 19880115; DE 3405897 A1 19850822; DE 3468473 D1 19880211

DOCDB simple family (application)
EP 84112546 A 19841018; AT 84112546 T 19841018; DE 3405897 A 19840218; DE 3468473 T 19841018