

Title (en)
FOLDABLE DOOR

Publication
EP 0092238 B1 19850724 (DE)

Application
EP 83103785 A 19830419

Priority
DE 8211456 U 19820421

Abstract (en)
[origin: US4574862A] A folding gate comprises two rectangular segments connected for articulation by hinges, said first segment being supported directly by a gate wing bearing. Said second segment includes a panel and a carrier structure to support the weight of the panel, said carrier structure comprises a pivot arm which is disposed at the upper edge of the second segment and from which the panel is suspended, wherein the pivot arm is connected by its one end to a carrier structure of the first segment in articulated fashion such that the pivot arm is movable not only about a vertical axis but to a limited extent also about a horizontal axis with respect to the first segment, and wherein the other end of the pivot arm is guided horizontally and supported vertically at a glide track arrangement by means of a guide roller. By this structure any impact hitting the panel of the second segment practically is not transmitted to the first segment. The weight of the second segment is carried approximately evenly by the glide track arrangement and by the first segment.

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

IPC 8 full level
E05D 15/26 (2006.01); **E06B 3/48** (2006.01); **E06B 3/80** (2006.01)

CPC (source: EP US)
E06B 3/481 (2013.01 - EP US); **E06B 3/805** (2013.01 - EP US); **E05Y 2900/11** (2013.01 - EP US)

Cited by
DE102016212449A1; CN104818928A; EP0199220A1; ITVR20100038A1; WO2018007333A2; US11091945B2

Designated contracting state (EPC)
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EP 83103785 A 19830419; AT 83103785 T 19830419; DE 8211456 U 19820421; US 48691183 A 19830420