

Title (en)
ANTIPANIC DEVICE

Title (de)
ANTIPANIKVORRICHTUNG

Title (fr)
DISPOSITIF ANTI-PANIQUE

Publication
EP 4073334 A1 20221019 (EN)

Application
EP 19861244 A 20191210

Priority
IT 2019000116 W 20191210

Abstract (en)
[origin: WO2021117070A1] An antipanic device (1) comprising a boxlike body (2) on which a movable component (2a) is articulated which is of the type chosen from a handle, a touch bar, a push bar and the like, and which accommodates at least one sliding rod (3) for the actuation of the at least one closure element, of a type chosen from a bolt, a spring latch, a latch and the like. The device (1) comprises at least one kinematic assembly (4) associated with the boxlike body (2) functionally associated with the rod (3), temporary retention means of the type of an electromagnet (5), normally supplied with electric power for magnetic attraction in the configuration for locking a tab (6) of the at least one kinematic assembly (4) made of ferromagnetic material, and at least one control and management unit (7), controlled by at least one sensor (8) for detecting the position of the rod (3) and for controlling the power supply of the electromagnet (5). Following a partial translation of the rod (3), which corresponds to the actuation of the movable component (2a) by a user to open the device (1), the at least one sensor (8) signals the translation to the unit (7) and the unit (7) interrupts the power supply of the electromagnet (5) for the release, within a predefined and settable time, of the tab (6) of the kinematic assembly (4), freeing further translations of the rod (3) for the retraction of the at least one closure element.

IPC 8 full level
E05B 65/10 (2006.01); **E05B 43/00** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)
E05B 43/005 (2013.01); **E05B 47/0006** (2013.01); **E05B 65/1053** (2013.01); **E05B 65/1093** (2013.01); **E05B 2047/0058** (2013.01); **E05B 2047/0065** (2013.01); **E05B 2047/0067** (2013.01)

Citation (search report)
See references of WO 2021117070A1

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)
WO 2021117070 A1 20210617; EP 4073334 A1 20221019; EP 4073334 B1 20240417; EP 4073334 C0 20240417

DOCDB simple family (application)
IT 2019000116 W 20191210; EP 19861244 A 20191210