

Title (en)

An up-and-over door assembly with safety device

Title (de)

Schwingtoranordnung mit Sicherheitsvorrichtung

Title (fr)

Ensemble de porte basculante avec dispositif de sécurité

Publication

EP 2412908 A1 20120201 (EN)

Application

EP 11006005 A 20110722

Priority

IT MI20101387 A 20100728

Abstract (en)

An up-and-over door assembly comprising: a frame (10) comprising two upright members (1, 2) connected at their upper ends by a horizontal crossbeam (3), a door (4) movable from an substantially horizontal open position, projecting from the vertical plan defined by said frame at a substantially horizontal positioning, to a closed is position in which is vertically disposed, a door driving motor and a pair of lined up infrared transmitter-receiver (TXb, RXb), positioned along the lower edge of the door (4). The assembly further comprises detecting means formed by pairs of infrared lined up transmitters and detectors (TXD, RXD; TXS, RXS), positioned along the side edges of said door (4). The three transmitter-detector pairs are connected to a control unit (12) adapted to interrupt the movement of the door in presence of an obstacle during the closing of the door (4).

IPC 8 full level

E05F 15/00 (2006.01)

CPC (source: EP)

E05F 15/40 (2015.01); **E05F 15/43** (2015.01); **E05Y 2900/106** (2013.01)

Citation (applicant)

- US 2006071155 A1 20060406 - CHEN DUKE [TW]
- US 5596840 A 19970128 - TEICH RUDOR [US]
- EP 1229200 A1 20020807 - SYSTEMES D AUTOMATISMES FERMET [FR]

Citation (search report)

- [X] EP 1229200 A1 20020807 - SYSTEMES D AUTOMATISMES FERMET [FR]
- [AD] US 5596840 A 19970128 - TEICH RUDOR [US]
- [A] US 2005001573 A1 20050106 - MILLER BEARGE [US], et al
- [AD] US 2006071155 A1 20060406 - CHEN DUKE [TW]

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)

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DOCDB simple family (application)

EP 11006005 A 20110722; IT MI20101387 A 20100728