

Title (en)
Roller shutter with infrared detector

Title (de)
Rolladen mit Infrarotdetektor

Title (fr)
Volet roulant avec détecteur d'obstacle

Publication
EP 1146199 B1 20030326 (FR)

Application
EP 01440104 A 20010411

Priority
FR 0004693 A 20000412

Abstract (en)
[origin: EP1146199A1] The motor stop controller (6) has one or two passive infra-red sensors (7,7A) associated with an appropriate optical system (8) to define a sensibly plane detection zone (9,9A). The zone can extend immediately in front, to the external side and/or to the rear, internal side and/or in the plane (4) in which the shutter (3) is deployed. The sensor has a Fresnel lens of the narrow width type so that the detection zone is nearly a plane. The roller shutter (1) has a motor drive for unwinding and rolling up the shutter (3) which is deployed in a plane (4) in front of the door or window (2). The shutter is fitted with a motor stop controller in case an obstacle is detected in the path of the shutter during its displacement. The detection zone extends from the internal side of the shutter plane into a space (44) between the latter and the door (2) or window frame. The sensors are fitted into the top casing (15), of the roller shutter, on its lower face (16). The controller is connected to a central alarm unit via an inter-communication system.

IPC 1-7
E06B 9/82

IPC 8 full level
E06B 9/82 (2006.01)

CPC (source: EP)
E06B 9/82 (2013.01); **E06B 2009/6836** (2013.01); **E06B 2009/6845** (2013.01)

Cited by
GB2404479A; WO2010040959A1

Designated contracting state (EPC)
DE ES FR IT

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