

Title (en)

Monitoring device for securing a driven element

Title (de)

Überwachungsvorrichtung zur Absicherung eines angetriebenen Elements

Title (fr)

Dispositif de surveillance pour sécuriser un élément entraîné

Publication

EP 2404859 B1 20130501 (DE)

Application

EP 11005232 A 20110628

Priority

DE 102010026140 A 20100705

Abstract (en)

[origin: EP2404859A1] The device has a transmitter (6) arranged in a horizontal boundary region of an aperture to be monitored, where the aperture is partially closed by a door panel (4). A set of receivers of a receiving strip (8) is arranged in a horizontally opposite bound region in distributed fashion along the aperture, where the receivers have mounting thickness of less than 5 mm. The transmitter together with each receiver forms a light barrier arrangement, which is evaluated by electronic evaluation beams.

IPC 8 full level

B66B 13/26 (2006.01)

CPC (source: EP US)

B66B 13/26 (2013.01 - EP US)

Citation (examination)

- DE 19805980 C1 19990722 - SIEMENS AG [DE]
- US 5149921 A 19920922 - PICADO SERGIO [US]
- EP 0661228 A2 19950705 - KONE OY [FI]

Cited by

US8960376B2; EP2562117A1

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

DOCDB simple family (publication)

EP 2404859 A1 20120111; EP 2404859 B1 20130501; CN 102311034 A 20120111; DE 102010026140 A1 20120105; DK 2404859 T3 20130715; US 2012000728 A1 20120105; US 8833524 B2 20140916

DOCDB simple family (application)

EP 11005232 A 20110628; CN 11110186422 A 20110705; DE 102010026140 A 20100705; DK 11005232 T 20110628; US 201113173594 A 20110630