

Title (en)
Safety switching device

Title (de)
Sicherheitsschalteneinrichtung

Title (fr)
Dispositif de commutation de sécurité

Publication
EP 1331345 B1 20081022 (DE)

Application
EP 02027730 A 20021211

Priority
DE 10202380 A 20020123

Abstract (en)
[origin: DE10202380A1] A safety circuit for motorized units, comprises a light source, a light guide (1), a light sensor, and a control unit. The light intensity that is picked up controls the installation. A safety circuit for motorized units, comprises a light source, a light guide (1), a light sensor, and a control unit. The light intensity that is picked up controls the installation. The light wave guide has a core (2) with a high refractive index and a surrounding outer wall (3) with a lower refractive index. The core and/or the outer wall consist of a material which is elastically deformable in finished light wave guides.

IPC 8 full level
E05F 15/43 (2015.01)

CPC (source: EP US)
E05F 15/431 (2015.01 - EP US); **E05Y 2900/55** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
EP 1331345 A2 20030730; EP 1331345 A3 20051207; EP 1331345 B1 20081022; AT E412099 T1 20081115; DE 10202380 A1 20030724; DE 50212932 D1 20081204; ES 2314019 T3 20090316; US 2003136653 A1 20030724; US 2005205767 A1 20050922

DOCDB simple family (application)
EP 02027730 A 20021211; AT 02027730 T 20021211; DE 10202380 A 20020123; DE 50212932 T 20021211; ES 02027730 T 20021211; US 13618805 A 20050524; US 34859903 A 20030121