

Title (en)
Intelligent obstacle detection

Title (de)
Intelligente Hinderniserkennung

Title (fr)
Détection d'obstacles intelligente

Publication
EP 2634358 B1 20150422 (DE)

Application
EP 13000171 A 20130114

Priority
DE 102012003697 A 20120228

Abstract (en)
[origin: EP2634358A1] The device has a motor (1) i.e. electrical tubular motor, for driving a closure element (2) i.e. roller shutter. A sensor detects a drive state of the closure element and produces a drive detection signal. A drive controller controls the motor and detects collision events based on the drive detection signal during driving the motor. The drive controller executes a collision avoidance routine during detecting the collision events, and decides whether an obstacle freeing routine is executed based on the drive detection signal during the collision avoidance routine. Independent claims are also included for the following: (1) a method for obstacle detection during driving a shading device and a protection device (2) a computer program comprising instructions for performing a method for obstacle detection during driving a shading device and a protection device.

IPC 8 full level
E06B 9/68 (2006.01)

CPC (source: EP)
E06B 9/68 (2013.01); **E06B 2009/6836** (2013.01)

Citation (opposition)
Opponent : **SOMFY SAS**
• DE 202010003095 U1 20111116 - ARCA BETEILIGUNGEN GMBH [DE]
• DE 202010003272 U1 20111019 - ARCA BETEILIGUNGEN GMBH [DE]
• WO 03078784 A1 20030925 - HOERMANN KG DISSEN [DE], et al
• EP 2314824 A1 20110427 - ARCA BETEILIGUNGEN GMBH [DE]
• EP 0784146 A1 19970716 - SOMFY [FR]
• FR 2900959 A1 20071116 - FP2X GROUPEMENT D INTERET ECON [FR]
• FR 2854192 A1 20041029 - CHAMBERLAIN GROUP INC [US]
• EP 0716214 A2 19960612 - ELERO ANTRIEB SONNENSCHUTZ [DE]

Cited by
CN103774973A; CN106703665A; CN113339856A

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

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