

Title (en)
Barrier for controlling the transit of vehicles

Title (de)
Sperre zur Regulierung der Durchfahrt von Fahrzeugen

Title (fr)
Barrière pour réguler le transit de véhicules

Publication
EP 2642028 A1 20130925 (EN)

Application
EP 13159900 A 20130319

Priority
IT VR20120052 A 20120321

Abstract (en)
A barrier (1) for controlling the transit of vehicles, comprising a supporting frame (2) for a bar (4) for blocking the passage of vehicles, the blocking bar being movable, following the actuation of first motor means (5), with respect to the supporting frame (2) about a first pivoting axis (100) which is substantially parallel to the direction of travel (200) of the vehicles that cross the barrier (1) in order to move between a blocking position, in which the blocking bar (4) is arranged substantially transversely to the direction of travel (200) of the vehicles, and a passage position, in which the blocking bar (4) is arranged laterally with respect to said direction of travel (200) of the vehicles, the blocking bar (4) being movable, following the impact of a vehicle, about a second pivoting axis (101) which is substantially perpendicular to the direction of travel (200) of the vehicles and to the direction of longitudinal extension (201) of the blocking bar (4) in order to move, in contrast to the action of elastic means (6), from an active condition, in which the blocking bar (4) is arranged on a plane which is substantially perpendicular to the direction of travel (200) of the vehicles, to an at least partially broken through condition; the barrier (1) furthermore comprises means (7) for locking the rotation of the blocking bar (4) about the second pivoting axis (101) which are adapted to prevent the passage, owing to the action of the elastic means, of the blocking bar (4) from the at least partially broken through condition to the active condition, the locking means (7) being able to be deactivated on command to allow the passage of the blocking bar (4) from the at least partially broken through condition to the active condition.

IPC 8 full level
E01F 13/06 (2006.01)

CPC (source: EP)
E01F 13/06 (2013.01)

Citation (applicant)
• EP 1394325 A1 20040303 - ERO IND [FR]
• FR 2800759 A1 20010511 - PETIT JEAN LOUIS CLAUDE [FR]
• US 7814706 B2 20101019 - GAMACHE LOUIS A [US]
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• US 6470626 B2 20021029 - LUETZOW EDWIN J [US], et al
• EP 1703022 A1 20060920 - BCA BARRIERES ET CONTROLE D AC [FR]
• FR 2943693 A1 20101001 - BARRIERE AUTOMATIQUE [FR]
• IT VR20120052 A1 20130922 - R I B S R L

Citation (search report)
• [AD] FR 2943693 A1 20101001 - BARRIERE AUTOMATIQUE [FR]
• [A] FR 2843410 A1 20040213 - ERO IND [FR]
• [A] FR 2864558 A1 20050701 - PERIPHERIQUE DE LYON SOC D EXP [FR]

Cited by
CN106592464A; DE202015101299U1

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)
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