

Title (en)
Improved gate

Title (de)
Verbesserte Schranke

Title (fr)
Barrière de sécurité perfectionnée

Publication
EP 1703022 A1 20060920 (FR)

Application
EP 06111096 A 20060314

Priority
FR 0502499 A 20050314

Abstract (en)
The barrier has a guide rail (100) that is displaced with respect to a support assembly around an axis (102) which is transversal to a main axis (202). The guide rail extends transversal to a traffic lane to prohibit the passage of a vehicle, in a rest position. An elastic unit is constituted by springs (222, 224) and places the guide rail in the rest position, on the support assembly, if the guide rail is ejected by a vehicle.

IPC 8 full level
E01F 13/06 (2006.01)

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

Citation (applicant)
• EP 1394325 A1 20040303 - ERO IND [FR]
• FR 2863279 A1 20050610 - BCA BARRIERES & CONTROLE D ACC [FR]

Citation (search report)
• [Y] FR 2800759 A1 20010511 - PETIT JEAN LOUIS CLAUDE [FR]
• [Y] FR 2585064 A1 19870123 - BORDEAUX PARC AUTO SA ECONOMIE [FR]
• [A] US 1628651 A 19270517 - BURRESS JOHN R
• [A] US 6460292 B1 20021008 - RODRIGUEZ CARLOS A [US], et al
• [A] US 4364200 A 19821221 - COBB CARL W E
• [A] EP 0886009 A1 19981223 - DESCHAMPS PIERRE [FR]
• [A] US 5653058 A 19970805 - ZAIMINS JERRY J [US]

Citation (third parties)
Third party :
US 1628651 A 19270517 - BURRESS JOHN R

Cited by
CN105839562A; CN105821784A; RU2667100C2; RU2667987C2; FR2906273A1; FR2970719A1; EP2642028A1

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

DOCDB simple family (publication)
EP 1703022 A1 20060920; EP 1703022 B1 20180613; CA 2539378 A1 20060914; CN 1837488 A 20060927; CN 1837488 B 20111116;
ES 2686146 T3 20181016; FR 2883010 A1 20060915; FR 2883010 B1 20100820; US 2006228177 A1 20061012

DOCDB simple family (application)
EP 06111096 A 20060314; CA 2539378 A 20060313; CN 200610067322 A 20060314; ES 06111096 T 20060314; FR 0502499 A 20050314;
US 37471806 A 20060314