Title (en)

Metallic safety barrier used in the margins and median strips of roads for vehicle contention with a fusible mechanism for the bolted joint connecting its horizontal fence railings and vertical support posts

Title (de)

Leitplanke zum Auffangen von Fahrzeugen an Straßenrand- und -mittelstreifen mit einem Sollbruch-Mechanismus für die Schraubenverbindung, die die horizontale Schienen und vertikale Pfosten verbindet

Title (fr)

Glissières de sécurité métalliques utilisées dans les bandes latérales et les terre-pleins centraux pour la contention des véhicules avec d'un mécanisme de fusible pour l'assemblage boulonné connectant les rails horizontales et les montants de support verticaux

Publication

EP 2128342 A2 20091202 (EN)

Application

EP 09005342 A 20090415

Priority

ES 200801139 U 20080528

Abstract (en)

Fusible mechanism for the bolted joint connecting the horizontal fence, beams or railings (1) of a metallic safety barrier to the vertical support poles (2) of same that confers said joining element the capacity to be released or disengaged in a controlled manner when the intensity of the force transmitted to said joining element by an impacting vehicle reaches a pre-established threshold value. Said joining element is comprised by a bolt (3) in which a straight section or area in the rod located at a particular distance from its head has been mechanically or chemically treated to reduce its mechanical resistance capacity.

IPC 8 full level

E01F 15/04 (2006.01)

CPC (source: EP US)

E01F 15/0423 (2013.01 - EP US)

Cited by

GB2492078A; US2014145132A1; US9200417B2; ITTV20110144A1; EP2584096A1; EP3553228A1; EP3440262A4; WO2011135116A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2128342 A2 20091202; **EP 2128342 A3 20110406**; **EP 2128342 B1 20150128**; AR 071711 A1 20100707; AU 2009253010 A1 20091203; CL 2008003273 A1 20100921; CN 101591892 A 20091202; CR 10630 U 20090713; DO P2010000255 A 20101115; EA 201001741 A1 20110429; ES 1068049 U 20080801; ES 1068049 Y 20081101; ES 2535496 T3 20150512; MX 2010009711 A 20100930; NZ 588501 A 20130328; PE 20100238 A1 20100408; PT 2128342 E 20150522; US 2011084246 A1 20110414; WO 2009144334 A1 20091203

DOCDB simple family (application)

EP 09005342 A 20090415; AR P090101702 A 20090512; AU 2009253010 A 20090206; CL 2008003273 A 20081030; CN 200910145723 A 20090531; CR 10630 U 20090220; DO 2010000255 A 20100820; EA 201001741 A 20090206; ES 09005342 T 20090415; ES 200801139 U 20080528; ES 2009000068 W 20090206; MX 2010009711 A 20090206; NZ 58850109 A 20090206; PE 2009000710 A 20090521; PT 09005342 T 20090415; US 99288609 A 20090206