

Title (en)

Road safety device for impact damping

Title (de)

Straßensicherheitsvorrichtung zur Stoßabdämpfung

Title (fr)

Dispositif de sécurité routière pour l'amortissement d'impact

Publication

EP 2383391 A3 20140723 (EN)

Application

EP 11163907 A 20110427

Priority

IT MI20100733 A 20100428

Abstract (en)

[origin: EP2383391A2] The road safety device (1) comprises a plurality of uprights (2) ordered in longitudinal rows (21) which extend in the direction of the longitudinal axis (L) of the device (1) from the front side (3) to the rear side (4) of the device (1), and in transverse rows (2t) which extend from one lateral side (5) to the other (6) of the device (1) transversely with respect to the direction of the longitudinal axis (L) of the device (1), a plurality of collapsible primary profiles (7) forming a rigid interconnection between the adjacent uprights (2) of the longitudinal rows (21), a fixed and undeformable rear stop (8) to which the rear transverse row (2t) of uprights (2) is rigidly connected, and means for supporting and guiding the sliding of the uprights (2) in the direction of the longitudinal axis (L) of the device (1), the primary profiles (7) being collapsible in succession as a result of opposition of said rear stop (8) following frontal impacts against the front side (3) of the device (1) in such a way as to progressively absorb the kinetic energy released by the frontal impacts.

IPC 8 full level

E01F 15/14 (2006.01)

CPC (source: EP)

E01F 15/146 (2013.01)

Citation (search report)

- [XYI] EP 0042645 A2 19811230 - NEDERLANDEN STAAT [NL]
- [XYI] WO 2006031701 A2 20060323 - ENERGY ABSORPTION SYSTEM [US], et al
- [YA] EP 2148009 A2 20100127 - SPS SCHUTZPLANKEN GMBH [DE]
- [A] EP 1221508 A2 20020710 - ENERGY ABSORPTION SYSTEM [US]

Cited by

AU2014295833B2; EP3366841A4

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)

BA ME

DOCDB simple family (publication)

EP 2383391 A2 20111102; EP 2383391 A3 20140723; IT 1399748 B1 20130503; IT MI20100733 A1 20111029

DOCDB simple family (application)

EP 11163907 A 20110427; IT MI20100733 A 20100428