

Title (en)

BUMPER ELEMENT COMPRISING A SHOCK ABSORPTION ELEMENT WITH FLEXIBLE ARMS

Title (de)

STOSSFÄNGERELEMENT MIT DÄMPFUNGSELEMENT MIT FLEXIBLEN ARMEN

Title (fr)

ÉLÉMENT DE PARE-CHOC COMPORTANT UN ÉLÉMENT D'ABSORPTION DE CHOCS À BRANCHES FLEXIBLES

Publication

EP 2046607 A2 20090415 (FR)

Application

EP 07823653 A 20070727

Priority

- FR 2007051738 W 20070727
- FR 0653159 A 20060728

Abstract (en)

[origin: WO2008012477A2] The invention proposes a bumper element (1) for an automotive vehicle, of the type that includes at least one shock absorption element (14) comprising deformation means (16) and rigidification means (18) characterized in that: the deformation means (16) are formed by a U-shaped section of a beam forming the shock absorption element, the concavity (20) of which is turned toward the stone deflector (17) and the horizontal arms (22, 24) of which are intended to separate by bending when the shock absorption element (14) is subjected to a compression shock with a pedestrian, the rigidification elements (18) are arranged at the bottom of the U-shaped section of the beam forming the shock absorption element (18) and are interposed between the vertical arm (26) and the horizontal arms (22, 24) of said U-shaped section of the beam forming the shock absorption element (18).

IPC 8 full level

B60R 19/18 (2006.01); **B60R 21/34** (2006.01)

CPC (source: EP)

B60R 19/18 (2013.01); **B60R 2019/184** (2013.01)

Citation (search report)

See references of WO 2008012477A2

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2008012477 A2 20080131; WO 2008012477 A3 20080327; EP 2046607 A2 20090415; FR 2904279 A1 20080201; FR 2904279 B1 20081107

DOCDB simple family (application)

FR 2007051738 W 20070727; EP 07823653 A 20070727; FR 0653159 A 20060728