

Title (en)

Bumper assembly of a motor vehicle for pedestrian protection

Title (de)

Stossstangenanordnung eines Kraftfahrzeuges zum Schutz von Fussgängern

Title (fr)

Ensemble de pare-chocs d'un véhicule pour la protection des piétons

Publication

EP 1300293 A9 20030625 (EN)

Application

EP 01123401 A 20010928

Priority

EP 01123401 A 20010928

Abstract (en)

[origin: EP1300293A1] The bumper includes an under tray that is made from laminate with stiffening ribs and grooves (9). The tray is supported from the rear independently of the bumper mounts ideally from the radiator (8) or engine or chassis. Collapsible tube mounted along the front of the tray is located in the lower edge of the rear of the bumper fascia (5). Alternatively collapse may be provided by bump stops between tray and fascia or by a weak fold line in the tray.

IPC 1-7

B60R 19/12; **B60R 19/56**

IPC 8 full level

B60R 19/12 (2006.01); **B60R 21/34** (2011.01); **B62D 35/02** (2006.01); **B60R 13/08** (2006.01); **B60R 19/18** (2006.01)

CPC (source: EP)

B60R 19/12 (2013.01); **B60R 21/34** (2013.01); **B62D 35/02** (2013.01); **B60R 13/0861** (2013.01); **B60R 2019/1886** (2013.01); **Y02T 10/82** (2013.01); **Y02T 10/88** (2013.01)

Cited by

EP1754650A1; EP1561651A3; EP1564088A1; DE102004035435A1; CN100410111C; EP1777125A3; US10144386B2; FR2895341A1; DE102005030419A1; DE102005016456A1; EP1842731A1; FR2885110A1; US7434872B2; US8449021B2; US10105941B2; US9598111B2; USD901347S; WO2006114545A1; WO2006008137A1; WO2007074300A3; US9233662B2; US9884436B2; US7681700B2; US9561620B2; US7597383B2; US10744966B2; US8864216B2; US9771109B2; US11603142B2; US9475434B2; US9511540B2; US8042847B2; US8132851B2; US8322780B2; JP2008539123A; JP4859918B2; US9067550B2; US9376074B2; US9469264B2; US9751287B2

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