

Title (en)

Impact protection, in particular in the form of a crash buffer

Title (de)

Stoßsicherung, insbesondere in Gestalt eines Crashpuffers

Title (fr)

Sécurité anti-chocs, en particulier sous forme d'un tampon de crash

Publication

EP 2687417 B1 20150304 (DE)

Application

EP 13176476 A 20130715

Priority

- EP 12176549 A 20120716
- EP 13176476 A 20130715

Abstract (en)

[origin: EP2687416A1] The protection unit (1) has a deformation pipe (23) clamped between an end region (22a) of a clamping sleeve (22) and an end region (21a) of a guide sleeve (21). A connection between another end region (22b) of the clamping sleeve and the end region of the guide sleeve when exceeding a defined critical impact force introduced over a bumper plate (12) into the protection unit. The clamping sleeve together with the deformation pipe is displaced under simultaneous plastic deformation of the deformation pipe relative to the guide sleeve in a direction to the guide sleeve.

IPC 8 full level

B61G 11/06 (2006.01); **B61G 11/00** (2006.01)

CPC (source: EP)

B61G 11/06 (2013.01); **B61G 11/08** (2013.01); **B61G 11/16** (2013.01)

Cited by

CN114775514A; CN109974527A; CN112148156A; CN113445452A; US2022242463A1; EP3771610A1

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DOCDB simple family (publication)

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