

Title (en)  
A CRASHBOX

Title (de)  
CRASHBOX

Title (fr)  
BOÎTE-TAMPON

Publication  
**EP 4313692 A1 20240207 (EN)**

Application  
**EP 21926043 A 20210524**

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Abstract (en)  
[origin: WO2022211753A1] The present invention relates to a dampening mechanism (10) for absorbing kinetic energy in case of a crash and having at least one first part (21) and at least one second part (23) which can be connected to the vehicle, and at least one body (20) positioned between said first part (21) and said second part (23). The improvement of the subject matter dampening mechanism (10) is that at least one dampening element (30), which can carry out energy absorption up to a predetermined force threshold, is positioned between said body (20) and said first part (21), at least one ring (31) is provided between the body (20) and the second part (23), and at least one protrusion form (24) is positioned in the correspondence of said ring, any one of the ring (31) or the protrusion form (24) is configured to deform in case a force is exerted which is over the predetermined force threshold.

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