

Title (en)

ASSEMBLY FOR ABSORBING IMPACT ENERGY

Title (de)

ANORDNUNG ZUR ABSORPTION VON AUFPRALLENERGIE

Title (fr)

ENSEMBLE ABSORBEUR D'ENERGIE DE CHOC

Publication

EP 4259490 A1 20231018 (FR)

Application

EP 21823888 A 20211203

Priority

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Abstract (en)

[origin: WO2022122601A1] The invention relates to an assembly (10) for absorbing impact energy, comprising a bumper beam and at least one energy absorbing device (1), interposed between this bumper beam (2) and a side member (3) of a motor vehicle, this energy absorbing device, also referred to as a crashbox, comprising a body comprising a plastic material and at least one insert (12) made from composite material comprising a plastic material and a reinforcing filler embedded in this plastic material of the insert, the plastic body and the composite insert being connected in particular by welding, bonding, thermoforming, the insert comprising a region of mechanical weakness (15) arranged to help initiate the breaking of the absorbing device.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2022122601A1

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