Title (en)

IMPACT ABSORBER HAVING SENSING AMPLIFIER

Title (de)

STOSSABSORBER MIT SENSIERVERSTÄRKER

Title (fr)

ABSORBEUR DE CHOCS AYANT UN AMPLIFICATEUR DE DÉTECTION

Publication

EP 4370383 A1 20240522 (DE)

Application

EP 22738425 A 20220627

Priority

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- EP 2022067503 W 20220627

Abstract (en)

[origin: WO2023285118A1] The invention relates to an impact absorber for a bumper arrangement on a motor vehicle. The impact absorber can be fastened to a cross member of the motor vehicle and is designed to at least partially absorb the energy input acting on the impact absorber in the event of a collision and to provide said energy input to a force transfer portion, which can be operatively connected to a pressure sensor device, such that the collision can be detected by the pressure sensor device. The impact absorber has an absorption portion and a force transmission portion. The force transmission portion is designed to at least partially transfer input energy, acting in the event of the collision, to the force transfer portion, bypassing the absorption portion in some regions. The force transmission portion is designed such that it collapses in the event of input energy which is so high that the collision can be detected by means of the pressure sensor device without bypassing the absorption portion in some regions.

IPC 8 full level

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CPC (source: EP US)

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