Title (en)

INTELLIGENT INFLATABLE BAG SYSTEM FOR ABSORBING COLLISION SHOCK IN VEHICLES

Title (de)

INTELLIGENTES AUFBLASBARES BEUTELSYSTEM ZUR AUFNAHME DES KOLLISIONSSTOSSES IN FAHRZEUGEN

Title (fr)

SYSTÈME DE SAC GONFLABLE INTELLIGENT PERMETTANT D'ABSORBER LES CHOCS PAR COLLISION DANS DES VÉHICULES

Publication

EP 3554897 A2 20191023 (EN)

Application

EP 17907542 A 20171212

Priority

- TR 201618549 A 20161214
- TR 2017050650 W 20171212

Abstract (en)

[origin: WO2018199864A2] The invention is an inflatable shock absorber bag system calculating the vehicle's accident possibility by means of the intelligent collision identifier system (100) and pre- determining the collision angle and intensity just before the accident that is inevitable, and ensuring to conveying, prior to collision, in an appropriate speed and quantity, the liquid and gas used to inflate the absorber bags positioned on the points of the body to protect passengers according to the immediate need occurred in accordance with the collision of the collision angle and intensity determined by the intelligent collision identifier system (100) by using the bag position and pressure calculation system (200), and ensuring to adjust the pressure occurred in the absorber bags in the events of inflation and deflation through the pressure adjustment system (300), and providing the absorber bags with multi-functional usages by means of co-operation of said systems, and ensuring to design a lightweight vehicle body through the intelligent collision identifier system (100) controlling the energy absorbing, the bag position and pressure calculation system (200) and the pressure adjustment systems (300).

IPC 8 full level

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