

Title (en)

BUMPER STRUCTURE SUBASSEMBLY COMPRISING A DAMPER ELEMENT ASSOCIATED WITH AN IMPACT SENSOR

Title (de)

STOSSFÄNGERSTRUKTURUNTERBAUGRUPPE MIT EINEM DÄMPFERELEMENT IN VERBINDUNG MIT EINEM AUFPRALLSENSOR

Title (fr)

SOUS-ENSEMBLE DE STRUCTURE DE PARE-CHOC COMPRENANT UN ÉLÉMENT AMORTISSEUR ASSOCIÉ À UN CAPTEUR D'IMPACT

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Application

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Abstract (en)

[origin: WO2020174161A1] The invention relates to a bumper structure subassembly comprising a damper element (30) intended to be installed longitudinally between a bumper fascia (10) and the transverse beam (21) of a bumper reinforcement (20); an impact sensor (40) comprising an elastically deformable tube (41); and two pressure sensors (42) installed at the two ends of said tube (41) and able to detect the pressure variations within the latter, said tube (41) comprising at least one main section (41A) housed in a transverse groove (31) formed in the rear face (30A) of said damper element (30); characterized in that said tube (41) comprises two end sections (41B) extending transversely on either side of said main section (41A) and being accommodated in two respective cavities formed within the two lateral end portions (30B) of said damper element (30) extending transversely on either side of said groove (31).

IPC 8 full level

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