

Title (en)

CARPET-INTEGRATED FOOT CUSHION CONFIGURED AS A PASSIVE RESTRAINT COMPONENT IN A VEHICLE

Title (de)

TEPPICHINTEGRIERTES FUSSPOLSTER ALS PASSIVE RÜCKHALTEKOMPONENTE IN EINEM FAHRZEUG

Title (fr)

COUSSIN POUR PIEDS INTEGRE DANS UN TAPIS DE SOL ET CONFIGURE COMME COMPOSANT DE RETENUE PASSIVE DANS UN VEHICULE

Publication

EP 1135280 A2 20010926 (DE)

Application

EP 98967121 A 19981214

Priority

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- EP 9808181 W 19981214

Abstract (en)

[origin: WO9930931A2] The invention relates to a device for reducing the danger of injury to the foot and leg areas of a person sitting on a seat arranged inside a vehicle in the case of an accident related deformation of the footwell. The footwell is lined with a floor covering (19) which is made of an acoustic dampening layer (22) and a carpet (23) which is laid thereon. The device comprises a foot cushion (24) assigned to the footwell. At least one gas generator (20) assigned to the foot cushion suddenly feeds gas into said cushion upon a triggering signal, whereby the foot cushion (24) momentarily fills out the relevant footwell with given dimensions before the front wall intrudes into the vehicle passenger compartment. According to the invention, the foot cushion (24) is constructed between the acoustic dampening layer (22) and the carpet (23) of the floor covering (19), whereby the gas is guided from the gas generator (10) and into the space between the acoustic dampening layer (22) and the carpet (23). The carpet (23) is fastened in only an area-like manner to the acoustic dampening layer (22) in the area of the constructed foot cushion (24).

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IPC 8 full level

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CPC (source: EP US)

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