

Title (en)

FIXATION SYSTEM FOR FASTENING AN OBJECT TO A FLOOR OF A VEHICLE AND METHOD FOR FASTENING

Title (de)

FIXIERUNGSSYSTEM ZUM BEFESTIGEN EINES GEGENSTANDES AN EINEM FAHRZEUGBODEN UND VERFAHREN ZUM BEFESTIGEN

Title (fr)

SYSTÈME DE FIXATION POUR FIXER UN OBJET SUR UN PLANCHER DE VÉHICULE ET PROCÉDÉ DE FIXATION

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Application

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Abstract (en)

The invention relates to a fixation system (1000) for fastening an object (600) to a floor (1), especially a floating floor (1), of a vehicle in amounting position flexibly chosen in affixation area comprising: said floor (1) with a continuous unbroken floor cover (400); said object (600); and at least one fixation element (800); wherein said object (600) comprises at its bottom a fastening element (700) not protruding beyond said object's (600) outer faces (640, 660), said fastening element (700) comprising an oblong hole (720), wherein said floor (1) comprises at least one floor panel (100) with an insert (300) flush with the surface (210) of the floor panel body (200) of said at least one floor panel (100); wherein the surface (210) of the floor panel body (200) is covered by the continuous unbroken floor cover (400), said insert (300) comprising a plurality of fixation element receptacles (370) at different point-localized positions for receiving said fixation element (800) inserted through the oblong hole (720) of the fastening element (700) and a hole in continuous otherwise unbroken floor cover (400), in order to clamp the fastening element (700) of the object (600) to the floor (1) in a tightened position of the fixation element (800). In one Embodiment the said floor fixation system (1000) further comprises a jig (500), said jig (500) comprising an arrangement of alignment holes (570) corresponding to the plurality of fixation element receptacles (370) and wherein said at least one floor panel (100) and said jig (500) comprise mating alignment elements (394, 395, 594, 595) for a mechanically aligning said jig (500) with respect to said at least one floor panel (100), and wherein one of the alignment holes (570) is centered with each of the plurality of fixation element receptacles (370) when the jig (500) is mechanically aligned. The invention further relates to a method for fixing an object (600) to a floor (1).

IPC 8 full level

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Citation (applicant)

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