

Title (en)
HOOD LIFTING ARRANGEMENT AND METHOD FOR PRODUCING AN ACTUATOR

Title (de)
HEBEANORDNUNG FÜR EINE MOTORHABE UND VERFAHREN ZUR HERSTELLUNG EINES AKTUATORS

Title (fr)
AGENCEMENT DE SOULÈVEMENT DE CAPOT ET PROCÉDÉ POUR PRODUIRE UN ACTIONNEUR

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Abstract (en)
[origin: WO2012144940A1] The invention relates to an actuator (1) for a hood lifting arrangement in a vehicle safety system in order to provide protection for a pedestrian hit by the vehicle and a vehicle comprising such a system including the actuator (1). The actuator (1) comprises a housing (2) having a first end (3) and a second end (4) and a piston (5) having a first end (6) and a second end (7) adapted to fit in the housing (2). The first end (3) of the housing (2) is adapted to comprise or be connected to a power source and the second end (4) of the housing (2) is provided with an opening (10) through which said piston (5) will extend when the actuator (1) is activated. The piston (5) comprises a non-metallic material, e.g. a plastic polymer. The piston (5) may be made completely by one or several non-metallic materials or compositions. The piston (5) may be in the form of a central stem (12) provided with bars (11) stretching along the length of the stem (12) and attached to the stem (12) by a first longitudinal edge of the bar (11). The bars (11) are stretching radially outwards from the stem (12). Optionally may the distal longitudinal ends of the bars (11) be connected to each other by ring shaped elements (13). The invention further relates to a manufacturing method for an actuator (1) comprising a housing (2), a piston (5) and a pyrotechnic device (9).

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