

Title (en)
PYROTECHNIC DRIVE DEVICE

Title (de)
PYROTECHNISCHE ANTRIEBSEINRICHTUNG

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT PYROTECHNIQUE

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Application
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Abstract (en)
[origin: WO2016062304A1] The invention relates to a pyrotechnic drive device with a housing (3), provided in which are a combustion chamber (5), with a pyrotechnic material (15) arranged in the combustion chamber (5), and an activation device (13) for activating the pyrotechnic material (15), wherein the combustion chamber (5) is bounded by a combustion chamber wall (3, 7, 13, 17, 33, 35), which is closed on all sides, at least in an initial state, and in one or more partial regions is respectively formed by a pressure-receiving area of a respective pressure-receiving element (17, 35), wherein, after activation of the pyrotechnic material (15), each pressure-receiving area of the pressure-receiving element (17, 35) receives a gas pressure generated as a result, in such a way that the pressure-receiving element (17, 35) moves and/or is deformed and/or a mechanical pulse is transferred by the pressure-receiving element (17, 35) to an element (19) to be driven that is mechanically connected to said pressure-receiving element, at least in the initial state, or to a substance (25) connected to said element to be driven. According to the invention, a remaining volume of the combustion chamber (5) in which no pyrotechnic material (15) is provided in the initial state is filled substantially completely with a liquid, gel-like or pasty filling material (21) and/or a soft rubber-like filling material (21).

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