

Title (en)
PYROTECHNIC ACTUATOR

Title (de)
PYROTECHNISCHER AKTOR

Title (fr)
ACTIONNEUR PYROTECHNIQUE

Publication
EP 1994288 A1 20081126 (DE)

Application
EP 07711669 A 20070227

Priority
• EP 2007001646 W 20070227
• DE 102006011525 A 20060310

Abstract (en)
[origin: WO2007104420A1] The invention relates to a pyrotechnic actuator comprising a housing (1, 1'), a piston (2, 2') having a piston rod (7, 7') and being displaceably mounted in a cavity (3, 9') of the housing and an igniter (6, 6'). According to the invention, during ignition of the igniter (6, 6') a quantity of gas is released, said gas displacing the piston (2, 2') from its initial position, the idle position, into a final position, the working position, the piston rod (7, 7') of said piston triggering an event during the travel from the initial position into the final position, or when the piston is in the final position. The igniter (6, 6') is situated in the cavity (3, 9'), or the gas outlet of the igniter is connected to the cavity (3, 9') via channels or bores (8, 8'). The invention is characterised in that a chamber of the housing (1) or the piston (2') is provided with a connecting bore (25, 25') or a connecting channel, to which a hydraulic fluid supply can be attached, the chamber being connected to the cavity (3, 9'), or to the channels (8, 8') or bores leading to the cavity (3, 9') that conduct the quantity of gas released by the igniter (6, 6'), via channels (26, 26'), bores or similar means.

IPC 8 full level
F15B 15/19 (2006.01)

CPC (source: EP)
F15B 15/19 (2013.01)

Citation (search report)
See references of WO 2007104420A1

Cited by
CN110873545A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007104420 A1 20070920; AT E437308 T1 20090815; AT E439525 T1 20090815; DE 502007001132 D1 20090903; DE 502007001301 D1 20090924; EP 1994288 A1 20081126; EP 1994288 B1 20090812; EP 1994289 A1 20081126; EP 1994289 B1 20090722; WO 2007104421 A1 20070920

DOCDB simple family (application)
EP 2007001646 W 20070227; AT 07711669 T 20070227; AT 07711670 T 20070227; DE 502007001132 T 20070227; DE 502007001301 T 20070227; EP 07711669 A 20070227; EP 07711670 A 20070227; EP 2007001647 W 20070227