

Title (en)

LIQUID PROPULSION DEVICE INCORPORATING A PYROTECHNIC GAS GENERATOR IN THE STRUCTURE THEREOF

Title (de)

FLÜSSIGKEITSANTRIEBSVORRICHTUNG MIT EINGEBAUTEM PYROTECHNISCHEM GASGENERATOR

Title (fr)

DISPOSITIF DE PROPULSION DE LIQUIDE INCORPORANT DANS SA STRUCTURE UN GENERATEUR DE GAZ PYROTECHNIQUE

Publication

EP 2057436 B1 20100217 (FR)

Application

EP 07823755 A 20070831

Priority

- FR 2007051858 W 20070831
- FR 0653552 A 20060901

Abstract (en)

[origin: WO2008025930A1] The subject matter of the present invention relates to a device (50) for propelling a liquid (L), comprising a reservoir (51) provided with a mobile separation member (57) and a pyrotechnic gas generator (1) arranged inside said reservoir (51), provided with nozzles (4a, 4b, 4a', 4b'). Characteristically, said nozzles (4a, 4b, 4a', 4b') of said gas generator (1) are radially arranged on the wall or walls of said body (2) and said gas generator (1), arranged in such a way that the axis thereof coincides with the axis of movement of said mobile separation member (57), is provided with a baffle (8) for diverting said generated combustion gases (G) along said axis of movement of said mobile separation member (57).

IPC 8 full level

F42B 3/04 (2006.01)

CPC (source: EP US)

A62C 13/22 (2013.01 - EP US); **A62C 13/66** (2013.01 - EP US); **A62C 35/023** (2013.01 - EP US); **F42B 3/04** (2013.01 - EP US); **Y10T 137/1827** (2015.04 - EP US); **Y10T 137/2213** (2015.04 - EP US)

Cited by

WO2014135790A2

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008025930 A1 20080306; AT E458177 T1 20100315; BR PI0719903 A2 20140610; BR PI0719903 B1 20190903; CA 2661695 A1 20080306; CN 101512284 A 20090819; CN 101512284 B 20120627; DE 602007004864 D1 20100401; DK 2057436 T3 20100607; EP 2057436 A1 20090513; EP 2057436 B1 20100217; FR 2905454 A1 20080307; FR 2905454 B1 20110318; NO 20090765 L 20090327; RU 2009110184 A 20101010; RU 2420336 C2 20110610; US 2009202364 A1 20090813; US 8100670 B2 20120124

DOCDB simple family (application)

FR 2007051858 W 20070831; AT 07823755 T 20070831; BR PI0719903 A 20070831; CA 2661695 A 20070831; CN 200780032135 A 20070831; DE 602007004864 T 20070831; DK 07823755 T 20070831; EP 07823755 A 20070831; FR 0653552 A 20060901; NO 20090765 A 20090218; RU 2009110184 A 20070831; US 43902007 A 20070831