

Title (en)
INJECTION ELEMENT FOR THE COMBUSTION CHAMBER OF A ROCKET ENGINE

Title (de)
EINSPRITZELEMENT FÜR DIE BRENNKAMMER EINES RAKETENTRIEBWERKS

Title (fr)
ÉLÉMENT D'INJECTION POUR LA CHAMBRE DE COMBUSTION D'UN MOTEUR FUSÉE

Publication
EP 2923059 A1 20150930 (FR)

Application
EP 13803160 A 20131120

Priority
• FR 1261147 A 20121122
• FR 2013052803 W 20131120

Abstract (en)
[origin: WO2014080126A1] The invention relates to the field of injectors, and especially to an injection element (201) comprising at least one first spiral channel (204) and at least one second spiral channel (205), each of said spiral channels (204, 205) following a helix (204a, 205a) centered on a central axis (X) of the injection element (201). The helix (205a) of the at least one second spiral channel (205) is arranged inside the helix (204a) of the at least one first spiral channel (204).

IPC 8 full level
F02K 9/52 (2006.01)

CPC (source: EP US)
F02K 9/52 (2013.01 - EP US); **F05D 2240/127** (2013.01 - EP US); **F05D 2250/25** (2013.01 - EP US)

Citation (search report)
See references of WO 2014080126A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 2998334 A1 20140523; FR 2998334 B1 20141219; EP 2923059 A1 20150930; JP 2015536412 A 20151221; RU 2015124028 A 20170110; US 2015292439 A1 20151015; WO 2014080126 A1 20140530

DOCDB simple family (application)
FR 1261147 A 20121122; EP 13803160 A 20131120; FR 2013052803 W 20131120; JP 2015543498 A 20131120; RU 2015124028 A 20131120; US 201314646685 A 20131120