

Title (en)
PULSED PLASMA ENGINE AND METHOD

Title (de)
GEPULSTER PLASMAMOTOR UND VERFAHREN

Title (fr)
MOTEUR A PLASMA PULSE ET PROCEDE

Publication
EP 3160637 A1 20170503 (EN)

Application
EP 14896230 A 20140625

Priority
US 2014044030 W 20140625

Abstract (en)
[origin: WO2015199671A1] Pulsed plasma engine and method in which a noncombustible gas is introduced into an explosion chamber, the gas is ionized to form a plasma within the chamber, an electrical pulse is applied to the plasma to heat the plasma, the pulse is turned off to produce an explosive pressure pulse in the plasma, and the plasma is confined in the chamber by a magnetic field that directs the pressure pulse toward an output member which is driven by the pressure pulse.

IPC 8 full level
B01J 19/14 (2006.01)

CPC (source: EP KR)
F02B 51/04 (2013.01 - EP KR); **H05H 1/50** (2013.01 - EP KR); **H05H 1/52** (2013.01 - EP KR)

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)
WO 2015199671 A1 20151230; AU 2014398609 A1 20170202; AU 2014398609 B2 20191212; CA 2953467 A1 20151230; CA 3150219 A1 20151230; CN 106536039 A 20170322; CN 106536039 B 20200214; EA 033381 B1 20191031; EA 201790065 A1 20170630; EP 3160637 A1 20170503; EP 3160637 A4 20180221; JP 2017528653 A 20170928; JP 6609312 B2 20191120; KR 102327641 B1 20211116; KR 20170024055 A 20170306; MX 2016017356 A 20170621; MX 370837 B 20200108; NZ 728523 A 20200327; SG 11201700574P A 20170330; ZA 201700493 B 20180829

DOCDB simple family (application)
US 2014044030 W 20140625; AU 2014398609 A 20140625; CA 2953467 A 20140625; CA 3150219 A 20140625; CN 201480080556 A 20140625; EA 201790065 A 20140625; EP 14896230 A 20140625; JP 2017520862 A 20140625; KR 20177002446 A 20140625; MX 2016017356 A 20140625; NZ 72852314 A 20140625; SG 11201700574P A 20140625; ZA 201700493 A 20170120