

Title (en)
BURNER AND METHOD FOR THE REGENERATION OF FILTRATION CARTRIDGES AND DEVICES EQUIPPED WITH SUCH BURNER

Title (de)
BRENNER UND VERFAHREN ZUR REGENERATION VON FILTERPATRONEN UND MIT SOLCHE EINEM BRENNER AUSGESTATTETE VORRICHTUNGEN

Title (fr)
BRULEUR ET PROCEDE POUR LA REGENERATION DE CARTOUCHES DE FILTRATION ET DISPOSITIFS EQUIPES D'UN TEL BRULEUR

Publication
EP 2024614 A1 20090218 (FR)

Application
EP 07731795 A 20070322

Priority
• FR 2007050982 W 20070322
• FR 0652501 A 20060607

Abstract (en)
[origin: WO2007141433A1] A burner designed to heat a filtration cartridge (5) for exhaust gases from an engine until oxidation and/or combustion of the solid particles trapped in the cartridge, including a burner body (2) presenting a closed extremity and, on the side opposite this closed extremity, an exhaust opening for said gases, characterised in that it includes: - at least an adduction pipe (7) of a mix of fuel and oxidiser opening into the burner body (2) tangentially to the burner body (2), in such a way as to cause the mixture to swirl around within the burner; - an electric means of igniting (8) said mixture positioned inside the burner body (2); - an obturator element (3, 18) blocking the burner body (2), to limit the turbulence of the exhaust gases in the volume of the burner body (2), restricted by said obturator element (3, 18).

IPC 8 full level
F01N 3/025 (2006.01); **F01N 3/30** (2006.01); **F01N 3/36** (2006.01); **F01N 9/00** (2006.01)

CPC (source: EP US)
F01N 3/0256 (2013.01 - EP US); **F01N 9/002** (2013.01 - EP US); **F01N 2240/14** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)
See references of WO 2007141433A1

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2007141433 A1 20071213; CA 2658216 A1 20071213; EP 2024614 A1 20090218; FR 2902137 A1 20071214; FR 2902137 B1 20080801; US 2009288399 A1 20091126

DOCDB simple family (application)
FR 2007050982 W 20070322; CA 2658216 A 20070322; EP 07731795 A 20070322; FR 0652501 A 20060607; US 30305007 A 20070322