

Title (en)

Device for generating a hot gas in an exhaust system of a combustion engine

Title (de)

Vorrichtung zur Heißgaserzeugung im Abgasstrang eines Verbrennungsmotors

Title (fr)

Appareil pour la génération de gaz chaud dans un système d'échappement d'un moteur thermique

Publication

EP 1752633 B1 20090624 (DE)

Application

EP 06118536 A 20060807

Priority

DE 102005037969 A 20050811

Abstract (en)

[origin: EP1752633A1] The device has a burner chamber housing (14) with primary burner chamber (27) and coaxial vortex atomiser nozzle. A secondary burner chamber (28) forms an extension of the primary burner chamber. A fuel inlet (35) opens into the exhaust stream of the engine and this supplied fuel burns with the oxygen contained in the engine exhaust gases in the secondary burner chamber. A mixer (13) is mounted in the gas stream behind the secondary burner chamber.

IPC 8 full level

F01N 3/025 (2006.01); **F01N 3/36** (2006.01)

CPC (source: EP)

F01N 3/025 (2013.01); **F01N 3/36** (2013.01); **F23G 7/065** (2013.01); **F01N 2240/14** (2013.01)

Cited by

CN104564243A; US9506385B2

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)

EP 1752633 A1 20070214; **EP 1752633 B1 20090624**; AT E434717 T1 20090715; DE 102005037969 A1 20070215; DE 502006004051 D1 20090806

DOCDB simple family (application)

EP 06118536 A 20060807; AT 06118536 T 20060807; DE 102005037969 A 20050811; DE 502006004051 T 20060807