

Title (en)

burner for fluidic fuels and method for operating such a burner

Title (de)

Brenner für fluidische Brennstoffe und Verfahren zum Betreiben eines derartigen Brenners

Title (fr)

brûleur pour combustible fluide et procédé pour utiliser un tel brûleur

Publication

EP 1645805 A1 20060412 (DE)

Application

EP 04024185 A 20041011

Priority

EP 04024185 A 20041011

Abstract (en)

Fluid fuel is mixed with carrier current made up of air/inert gases causes overheating of the liquid fuel forming a good fuel-air mixture as well as freeing of the molecular oxygen. Choice of the carrier current and /or temperature of the carrier current determine the quality of the mixture. The gaseous fuel mixture is then mixed with an oxidizing agent for burning at the burner.

IPC 8 full level

F23R 3/28 (2006.01)

CPC (source: EP US)

F23L 7/002 (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US); **F23R 2900/03343** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1645805 A1 20060412; EP 1800061 A1 20070627; EP 1800061 B1 20160413; US 2009061365 A1 20090305; US 8465276 B2 20130618; WO 2006040255 A1 20060420

DOCDB simple family (application)

EP 04024185 A 20041011; EP 05797157 A 20050923; EP 2005054796 W 20050923; US 66510005 A 20050923