

Title (en)

Device for the combustion of a gaseous mixture of fuel and oxidant

Title (de)

Vorrichtung zum Verbrennen eines gasförmigen Brennstoff-Oxidator-Gemischs

Title (fr)

Dispositif pour la combustion d'un mélange gazeux de combustible et comburant

Publication

EP 1255077 B1 20080611 (DE)

Application

EP 02405325 A 20020422

Priority

- CH 22982001 A 20011214
- US 28699501 P 20010430

Abstract (en)

[origin: EP1255077A2] An arrangement for burning a gaseous fuel-oxidant mixture, especially in power stations, comprises a catalyst turbulence producing unit (2) in which part of the fuel-oxidant mixture is burnt and in which a turbulent flow (6) is produced. The unit contains a catalyst and the channels are angled with respect to the longitudinal central axis.

IPC 8 full level

F23R 3/40 (2006.01); **F23C 7/00** (2006.01); **F23C 9/00** (2006.01); **F23C 13/00** (2006.01)

CPC (source: EP US)

F23C 7/002 (2013.01 - EP US); **F23C 9/006** (2013.01 - EP US); **F23C 13/00** (2013.01 - EP US); **F23R 3/40** (2013.01 - EP US); **F23C 2900/13002** (2013.01 - EP US); **F23D 2203/107** (2013.01 - EP US); **F23D 2210/00** (2013.01 - EP US)

Cited by

EP1439349A1; EP1491824A3; EP1693618A3; US6896509B2

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