

Title (en)
Method and premixed combustion system

Title (de)
Verfahren und Vormischverbrennungssystem

Title (fr)
Procédé et système de combustion à prémélange

Publication
EP 1614967 B1 20160316 (DE)

Application
EP 04016246 A 20040709

Priority
EP 04016246 A 20040709

Abstract (en)
[origin: EP1614967A1] The method for burning fuels (S1) with low calorific value, especially synthesis gas, for driving gas turbines comprises premixing the fuel with air (L1) while minimizing conversion. The mixture is then burnt to generate hot gas (H). Independent claims are included for: (A) a premixing combustion system for use in the method; and (B) gas turbines fitted with the system.

IPC 8 full level
F23R 3/36 (2006.01); **F23R 3/28** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP)
F23R 3/286 (2013.01); **F23R 3/343** (2013.01); **F23R 3/36** (2013.01)

Cited by
EP2107312A1; ITMI20090556A1; FR2952699A1; RU2471082C2; EP2161502A1; DE102011116317A1; EP2244015A1; CN102414514A; DE102009038848A1; CN102597631A; RU2468298C2; RU2470229C2; US10557634B2; US8099940B2; WO2009121781A1; WO2011023669A1; WO2009127240A1; WO2010121845A1; WO2010080604A1; WO2011128179A1; EP2449310B1; EP1710502B1

Designated contracting state (EPC)
CH DE GB IT LI

DOCDB simple family (publication)
EP 1614967 A1 20060111; EP 1614967 B1 20160316

DOCDB simple family (application)
EP 04016246 A 20040709