

Title (en)

Lean-burn premix burner for gas turbine and its method of operation

Title (de)

Magervormisrbrenner für eine Gasturbine sowie Verfahren zum Betrieb eines Magervormisrbrenners

Title (fr)

Brûleur à prémélange à combustion pauvre pour turbine à gaz et son procédé de fonctionnement

Publication

EP 1319895 B1 20071107 (DE)

Application

EP 02023428 A 20021019

Priority

DE 10160997 A 20011212

Abstract (en)

[origin: EP1319895A2] The fuel supply ring (4) includes multiple primary fuel nozzles and additional secondary fuel nozzles. The primary fuel nozzles are evenly distributed along a circumference of the fuel supply ring while the additional nozzles are distributed unevenly along fuel supply ring circumference. <??>An Independent claim is also included for an operation method for lean premix burner of gas turbine.

IPC 8 full level

F23R 3/28 (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)

F23R 3/286 (2013.01 - EP US); **F23R 3/346** (2013.01 - EP US); **F23C 2201/20** (2013.01 - EP US)

Cited by

US8739543B2; US8850820B2; WO2009003729A1; EP2414653B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1319895 A2 20030618; **EP 1319895 A3 20040107**; **EP 1319895 B1 20071107**; DE 10160997 A1 20030703; DE 50211162 D1 20071220; US 2003106321 A1 20030612; US 6945053 B2 20050920

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EP 02023428 A 20021019; DE 10160997 A 20011212; DE 50211162 T 20021019; US 31693602 A 20021212