

Title (en)
Gas burner assembly for a gas turbine

Title (de)
Gasbrenneranordnung für eine Gasturbine

Title (fr)
Ensemble brûleur à gaz de turbine à gaz

Publication
EP 1710502 B1 20160511 (EN)

Application
EP 06111895 A 20060329

Priority
IT TO20050208 A 20050330

Abstract (en)
[origin: EP1710502A2] A gas burner assembly for a gas turbine has a first, premix, burner (5), and a second burner (4) surrounded by the first burner (5); the second burner has a swirler (16) with vanes (21), a channel (40, 55) for feeding combustion air into the gaps (22) in the swirler (16), and at least a first gas feed line (52) for feeding a stream of fuel gas into the gaps (22); the first gas feed line (52) has an outlet (51) designed to generate a premix pilot flame, and the channel (40) has a number of calibrated-section choke holes (56) for setting combustion air flow to the swirler (16).

IPC 8 full level
F23R 3/28 (2006.01); **F23R 3/14** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP)
F23R 3/14 (2013.01); **F23R 3/286** (2013.01); **F23R 3/343** (2013.01); **F23R 2900/00016** (2013.01); **F23R 2900/03343** (2013.01)

Citation (examination)
EP 1614967 A1 20060111 - SIEMENS AG [DE]

Cited by
EP2169312A1; ITMI20090556A1; ITMI20110808A1; CN103154496A; CN106247408A; ITMI20111943A1; EP2244015A1; CN102414514A; US8678301B2; WO2015090993A1; WO2010034558A1; WO2010121845A1; WO2013061303A1

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