

Title (en)

Pilot burner, burner, combustor and gas turbine engine

Title (de)

Pilotbrenner, Brenner, Brennkammer und Gasturbinenmotor

Title (fr)

Brûleur pilote, brûleur, chambre de combustion et moteur de turbine à gaz

Publication

**EP 2693124 A1 20140205 (EN)**

Application

**EP 12179053 A 20120802**

Priority

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Abstract (en)

The present invention is related to a pilot burner (12) of a gas turbine engine, comprising a liquid pilot lance (4) with a pilot lance face (6), wherein the pilot burner (12) is made of a ferrous material, wherein a face (14) of the pilot burner (12) and/or the pilot lance face (6) comprise additionally a boron layer (10). The invention further relates to a burner (1), a combustor and a gas turbine engine comprising at least one of such a pilot burner (12).

IPC 8 full level

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CPC (source: EP)

**F23R 3/343** (2013.01); **F23D 2212/20** (2013.01); **F23D 2900/00016** (2013.01); **F23R 2900/00004** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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