

Title (en)
Gas-operated premix burner

Title (de)
Gasbetriebener Vormischbrenner

Title (fr)
Brûleur opérant au gaz du type à prémélange

Publication
EP 0592717 B1 19980225 (DE)

Application
EP 92117673 A 19921016

Priority
EP 92117673 A 19921016

Abstract (en)
[origin: EP0592717A1] In a gas-operated premix burner for the combustion chamber of a gas turbine, the fuel which is injected via a large number of nozzles (17) is mixed intimately together with the combustion air prior to ignition inside a premix space (21). The nozzles are arranged around a burner axis (10). For the selective influencing of the fuel profile at the outlet of the burner, the fuel concentration in the region of the burner axis is kept greater than the average fuel concentration in the outlet plane (22) of the burner. To this end, additional fuel nozzles (23) are provided in the region of the burner axis (10). The additional fuel nozzles (23) can be fed via a separate fuel line (24). <IMAGE>

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IPC 8 full level
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CPC (source: EP KR US)
F23D 11/402 (2013.01 - EP US); **F23D 14/02** (2013.01 - EP KR US); **F23D 14/62** (2013.01 - KR); **F23D 14/70** (2013.01 - KR); **F23D 17/002** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US); **F23D 2203/007** (2013.01 - KR)

Cited by
US7003960B2; EP1205713A1; DE10064893A1; EP0719983A1; DE4441641A1; US5655903A; DE4426353A1; US5562441A; EP1855054A3; DE19507763A1; US5699667A; DE4446945B4; US7198483B2; WO0229318A1; WO02052201A1; US6705857B2; US8484979B2; EP0719983B2

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