

Title (en)

Method of operating a premix burner

Title (de)

Verfahren zum Betrieb eines Vormischbrenners

Title (fr)

Procédé de fonctionnement d'un brûleur à prémélange

Publication

**EP 2260238 A1 20101215 (DE)**

Application

**EP 09717497 A 20090212**

Priority

- EP 2009051632 W 20090212
- CH 3482008 A 20080307

Abstract (en)

[origin: WO2009109448A1] A burner arrangement (10, 16, 20) comprises a swirl-generating premix burner (11) for preparing an air/fuel mixture that is produced using a first fuel, and a mixing pipe (13, 17, 21) which adjoins the premix burner (11) downstream thereof and extends into a combustion chamber (14). In order to be able to safely operate such a burner arrangement with highly reactive, particularly H<sub>2</sub>-rich fuel, the mixing pipe has a constriction (18) downstream of the outlet of the swirl generator (11a), and means (19, 22) for spraying in the highly reactive, particularly H<sub>2</sub>-rich fuel are disposed at the level of the constriction (18).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2009109448A1

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