

Title (en)
Vaporizing burner

Title (de)
Verdampferbrenner

Title (fr)
Brûleur à vaporisation

Publication
EP 1275901 A2 20030115 (DE)

Application
EP 02014269 A 20020626

Priority
• DE 10130638 A 20010626
• DE 10136292 A 20010725

Abstract (en)
Vaporizer burner (10) comprises a vaporizer medium (34) for feeding fuel vapor into a combustion chamber (52), a first heating device consisting of at least one ignition heating element (70) protruding at least with its heating region into the combustion chamber to ignite the fuel vapor in the combustion chamber, and a second heating device consisting of at least one vaporizer heating element assigned to the vaporizer medium to influence its vaporizing characteristics. Independent claims are also included for a cleaning process for cleaning a burner, especially the above vaporizer burner, and for a process for monitoring the fuel feed into the above vaporizer burner. Preferred Features: The vaporizer heating element is arranged on a side of the vaporizer medium facing away from the combustion chamber.

Abstract (de)
Ein Verdampferbrenner (10) umfasst ein Verdampfermedium (34) zum Einspeisen von Brennstoffdampf in eine Brennkammer (52), eine erste Heizeinrichtung (70), umfassend wenigstens ein zum Zünden von in der Brennkammer (52) vorhandenem Brennstoffdampf wenigstens mit seinem Heizbereich in die Brennkammer ragendes Zündheizelement (70), sowie eine zweite Heizeinrichtung (72), umfassend wenigstens ein dem Verdampfermedium (34) zur Beeinflussung von dessen Verdampfungscharakteristik zugeordnetes Verdampfungsheizelement (72). <IMAGE>

IPC 1-7
F23D 3/40; F23Q 7/08

IPC 8 full level
F23N 5/18 (2006.01); **B01B 1/00** (2006.01); **F23D 3/40** (2006.01); **F23D 11/44** (2006.01); **F23N 5/02** (2006.01); **F23N 5/20** (2006.01); **F23N 5/24** (2006.01); **F23Q 7/08** (2006.01)

CPC (source: EP US)
B01B 1/005 (2013.01 - EP US); **F23D 3/40** (2013.01 - EP US); **F23Q 7/08** (2013.01 - EP US); **F23D 2207/00** (2013.01 - EP US); **F23D 2900/00002** (2013.01 - EP US)

Citation (applicant)
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