

Title (en)
Vaporizing burner

Title (de)
Verdampferbrenner

Title (fr)
Brûleur à vaporisation

Publication
EP 1275901 A3 20031015 (DE)

Application
EP 02014269 A 20020626

Priority
• DE 10130638 A 20010626
• DE 10136292 A 20010725

Abstract (en)
[origin: EP1275901A2] 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.

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 (search report)
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• [A] DE 3243395 A1 19840524 - DANFOSS AS [DK]
• [AD] DE 3233319 A1 19840308 - WEBASTO WERK BAIER KG W [DE]
• [A] DE 3403972 A1 19850808 - WEBASTO WERK BAIER KG W [DE]
• [XA] PATENT ABSTRACTS OF JAPAN vol. 012, no. 218 (M - 711) 22 June 1988 (1988-06-22)

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