

Title (en)
Gas burner for a heater

Title (de)
Gasbrenner für ein Heizgerät

Title (fr)
Brûleur à gaz pour un appareil de chauffage

Publication
EP 2386797 A3 20171115 (DE)

Application
EP 11165612 A 20110511

Priority
DE 102010020389 A 20100512

Abstract (en)
[origin: EP2386797A2] The gas burner (1) has a blower for conveying a gas-air mixture and a swirl generating unit (7) in a cylindrical flow path (4) of the gas-air mixture. The flow path flows into a combustion zone (5) and is arranged in a closed combustion chamber (6). A heat exchanger (3) is assigned to the flow path. The cylindrical flow path has an enlarged outlet geometry (8) at its opening. The enlarged outlet geometry is shaped like a shell.

IPC 8 full level
F23C 9/00 (2006.01); **F23D 14/02** (2006.01)

CPC (source: EP)
F21V 19/001 (2013.01); **F21V 19/04** (2013.01); **F23C 9/006** (2013.01); **F23D 14/02** (2013.01); **F23D 14/34** (2013.01); **F23D 14/58** (2013.01); **F23D 14/62** (2013.01); **F23D 14/70** (2013.01); **F23D 14/84** (2013.01); **F21Y 2103/10** (2016.07); **F21Y 2115/10** (2016.07); **F23D 2900/00003** (2013.01)

Citation (search report)

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- [XI] EP 0931979 A1 19990728 - DVGW EV [DE], et al
- [A] DE 4109580 A1 19911002 - VAILLANT JOH GMBH & CO [DE]
- [AD] US 5879148 A 19990309 - CHENG ROBERT K [US], et al

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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DE 202010017464 U1 20111115; DE 102010020389 A1 20111117; EP 2386797 A2 20111116; EP 2386797 A3 20171115

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