

Title (en)

Flame distributing device intended for a burner of a hot water appliance

Title (de)

Flammenverteilvorrichtung für einen Brenner eines Heisswassergerätes

Title (fr)

Dispositif de répartition des flammes pour un brûleur d'un appareil à eau chaude

Publication

EP 0816758 A1 19980107 (EN)

Application

EP 97201744 A 19970609

Priority

NL 1003311 A 19960610

Abstract (en)

A flame distributing device (1) intended for a burner (2) of a hot water appliance (3) for the purpose of water heating, which flame distributing device (1) comprises a burner deck (4) with a regular hole pattern and a distributing plate (5) with a specific hole pattern (6), the burner deck (4) and the distributing plate (5) extending substantially parallel to each other, with a space between the distributing plate (5) and the burner deck (4) being divided into a number of segment chambers (7), between which segment chambers (7) no flow or substantially no flow of fuel/air mixture is possible, while at each segment chamber (7) the distributing plate (5) has a specific hole pattern (6). <IMAGE>

IPC 1-7

F23D 14/58; **F23D 14/46**

IPC 8 full level

F23D 14/46 (2006.01); **F23D 14/58** (2006.01)

CPC (source: EP)

F23D 14/46 (2013.01); **F23D 14/58** (2013.01); **F23D 2900/00003** (2013.01)

Citation (search report)

- [A] EP 0698766 A2 19960228 - CARADON IDEAL LTD [GB]
- [A] WO 9416269 A1 19940721 - LE MER JOSEPH [FR]
- [A] EP 0314897 A1 19890510 - RUHRGAS AG [DE]
- [A] US 5520536 A 19960528 - RODGERS IAN M [US], et al
- [A] EP 0472270 A1 19920226 - FURIGAS UK LTD [GB]

Cited by

ITUA20164076A1; US6461150B1; ITMI20110390A1; CN103443544A; EP1256760A1; NL1018054C2; US6612834B2; WO2017208107A1; WO2012123805A1; WO2019201600A1

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