

Title (en)
Burner

Title (de)
Brenner

Title (fr)
Brûleur

Publication
EP 2085696 A1 20090805 (EN)

Application
EP 08101177 A 20080131

Priority
EP 08101177 A 20080131

Abstract (en)
Burner (1) comprising an igniter burner (3) downstream a feed for a flow of an oxygen-containing gas, which igniter burner (3) is connected to a first fuel supply line (4), wherein the burner (1) comprises one or more secondary fuel supply lines or spuds (7) each leading to a burner mouth (9) at a distance downstream the igniter burner (3). Preferably, the open burner mouths (9) of the spuds (7) are each surrounded by a conical disk (8) widening in flow direction having within the widening end section one or more nozzle openings (14) directed to guide the fuel outflow along at least a part of the conical disk (8).

IPC 8 full level
F23D 14/22 (2006.01); **F23D 14/64** (2006.01); **F23D 14/70** (2006.01); **F23N 5/12** (2006.01); **F23Q 3/00** (2006.01)

CPC (source: EP)
F23D 14/22 (2013.01); **F23D 14/64** (2013.01); **F23D 14/70** (2013.01); **F23N 5/12** (2013.01); **F23Q 3/00** (2013.01); **F23D 2900/14004** (2013.01); **F23D 2900/14642** (2013.01)

Citation (applicant)
WO 9603345 A1 19960208 - SHELL INT RESEARCH [NL], et al

Citation (search report)
• [XY] EP 1783426 A1 20070509 - RIELLO SPA [IT]
• [Y] DE 10144472 A1 20030327 - GASWAERME INST E V [DE]
• [X] US 5551869 A 19960903 - BRAIS NORMAND [CA], et al
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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