

Title (en)

Radiant burner with a gas-permeable burner plate

Title (de)

Strahlungsbrenner mit einer gasdurchlässigen Brennerplatte

Title (fr)

Brûleur radiant avec une plaque de brûleur perméable au gaz

Publication

EP 0718551 A3 19961218 (DE)

Application

EP 95118350 A 19951122

Priority

DE 4445426 A 19941220

Abstract (en)

[origin: EP0718551A2] The radiation burner has a gas permeable burner plate with variable gas permeability. Regions of the burner plate have no gas permeability. The region without gas permeability makes up 40% to 70%, especially 50% to 60% of the total surface of the burner plate. The total output of the burner is maintained at the same level, despite the areas without gas permeability. The low gas permeability areas can have circular segment or sector shapes.

IPC 1-7

F23D 14/16

IPC 8 full level

F23D 14/12 (2006.01); **F23D 14/16** (2006.01)

CPC (source: EP KR US)

F23D 14/16 (2013.01 - EP KR US); **F23D 2203/005** (2013.01 - KR); **F23D 2203/105** (2013.01 - EP US); **F23D 2212/103** (2013.01 - EP US); **F23D 2212/201** (2013.01 - EP US)

Citation (search report)

- [X] EP 0549476 A2 19930630 - TOKYO GAS CO LTD [JP]
- [X] FR 2222329 A2 19741018 - SHELL INT RESEARCH [NL]
- [X] EP 0390255 A1 19901003 - BEKAERT SA NV [BE]

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Designated contracting state (EPC)

DE ES FR GB IT NL

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EP 0718551 A2 19960626; **EP 0718551 A3 19961218**; AU 4047795 A 19960627; BR 9505936 A 19971223; DE 4445426 A1 19960627; JP H08219422 A 19960830; KR 960024005 A 19960720; MX 9505287 A 19970131; US 5800156 A 19980901

DOCDB simple family (application)

EP 95118350 A 19951122; AU 4047795 A 19951215; BR 9505936 A 19951218; DE 4445426 A 19941220; JP 33189895 A 19951220; KR 19950046767 A 19951205; MX 9505287 A 19951214; US 57279195 A 19951215