

Title (en)
Gas burner

Title (de)
Gasbrenner

Title (fr)
Brûleur à gaz

Publication
EP 0863366 B1 20030219 (DE)

Application
EP 97120543 A 19971124

Priority
DE 19708218 A 19970228

Abstract (en)
[origin: US5931657A] A gas burner has an air delivery channel connected to a combustion chamber by a deflection element for deflecting the gas stream from the air delivery channel into the combustion chamber. The gas burner has an arrangement that will reduce the gas stream on the outside of the combustion chamber that is at a greater distance from the air delivery channel with reference to the flow direction in the air delivery channel in a section along a plane of the angle between the direction of the gas stream in the combustion chamber and the direction of the gas stream in the air delivery channel in favor of the gas stream on the inside of the combustion chamber that lies closer to the air delivery channel along the plane so that the gas stream in the combustion chamber is made more uniform with reference to the cross-section extending perpendicular to the direction of the gas stream in the combustion chamber.

IPC 1-7
F23D 14/70; **F23D 14/02**

IPC 8 full level
F23D 14/02 (2006.01); **F23D 14/08** (2006.01); **F23D 14/58** (2006.01); **F23D 14/62** (2006.01); **F23D 14/70** (2006.01)

CPC (source: EP US)
F23D 14/02 (2013.01 - EP US); **F23D 14/085** (2013.01 - EP US); **F23D 14/70** (2013.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 5931657 A 19990803; AT E232950 T1 20030315; DE 19708218 A1 19980903; DE 19708218 C2 20020131; DE 59709350 D1 20030327; EP 0863366 A2 19980909; EP 0863366 A3 19990707; EP 0863366 B1 20030219; JP 3657766 B2 20050608; JP H1137422 A 19990212

DOCDB simple family (application)
US 3037698 A 19980225; AT 97120543 T 19971124; DE 19708218 A 19970228; DE 59709350 T 19971124; EP 97120543 A 19971124; JP 4009198 A 19980223