

Title (en)
Method of combustion in gasburner.

Title (de)
Verfahren zum Verbrennen in einem Gasbrenner.

Title (fr)
Procédé de combustion dans un brûleur à gaz.

Publication
EP 0415008 B1 19940720 (DE)

Application
EP 90110796 A 19900607

Priority
DE 3926699 A 19890812

Abstract (en)
[origin: EP0415008A1] A gas burner for heating installations, furnaces, gas lances or the like is proposed, in which an airgas mixture can be fed to a flame-holding layer (16) which is provided with a multiplicity of small passages, prevents flashback and on the side of which opposite to the mixture feed side combustion flames form after ignition of the mixture. On the flame side next to the flame-holding layer (16), a postcombustion layer (17) is provided which can be heated by the combustion flames and has a multiplicity of small passages. In the heated postcombustion layer (17), CO fractions formed are oxidised to CO₂, while the NO_x constituents, which are anyway low, remain unchanged. As a result, the pollutant contents can be effectively reduced, with optimum efficiency.

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CPC (source: EP)
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Cited by
DE102008000010A1; DE19901145A1; NL1005800C2; US5348468A; EP1010940A3; US6709264B2; US5375998A; EP3055616A4; EP1715247A1; CN102563639A; DE102008000010B4; EP3184892A1; EP3055615A4; US10808927B2; US10458649B2; US7857616B2; WO2005100856A1; US7895999B2; US8479721B2; EP3049724B1; EP0899507B1; WO9749952A1; WO9310399A1; WO2006006882A1; WO9409326A1

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