

Title (en)
PROCESS AND DEVICE FOR MINIMIZING THE SOUND EMISSION OF A PREMIX BURNER

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EP 0035153 B1 19840704 (DE)

Application
EP 81101062 A 19810216

Priority
DE 8005891 U 19800301

Abstract (en)
[origin: EP0035153A1] 1. A process of minimizing the radiation of sound from a premixing burner, which is fed with a gas-air mixture, comprising at least one gas nozzle, which is associated with an injector, and combustion slots, characterized in that the gas is defined (Wobbe number) and the minimum sound radiation is defined as well as the heat output (which is determinable from the total flow area and the gas velocity in the nozzle or nozzles and the total flow area of the injector is defined by the relation see diagramm : EP0035153,P8,F1 wherein V is the sum of the entire gas and air flow, P is a proportionality factor, N is the predetermined maximum sound radiation and K is a constant, which is determined by the Wobbe member, the sound velocity, the load per unit of nozzle area, and the total nozzle area, and the load per unit of combustion area is determined by the relation see diagramm : EP0035153,P8,F2

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Cited by
AT405563B; EP0864813A1; AT405676B; US2018045404A1; US10591154B2; US10667813B2; US10458645B2; US10677457B2

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