

Title (en)
LOW-PRESSURE HAND BURNER

Publication
EP 0240751 B1 19910123 (DE)

Application
EP 87103323 A 19870309

Priority
DE 3611592 A 19860407

Abstract (en)
[origin: EP0240751A2] Hand burner for flame-treating surfaces, with a supply device for a fuel gas/air mixture. At the end of a mixing pipe, a burner head (1) with a nozzle member (2) is arranged, in which there is a nozzle (5) for the outlet of the fuel gas/air mixture and to which is fastened a combustion chamber (4) which extends in the direction of flow and has a casing (3). The chamber has at least one opening (11) for the entry of ambient air. To achieve the aim of obtaining a stable flame and avoiding the casing heating up, the at least one air entry opening (11) is delimited towards the outside by the casing (3) of the combustion chamber (4). The opening (11) extends over the greater part of the circumference of the casing (3) in the region of the openings (11) and more particularly in such a manner that the ambient air is guided in immediate proximity and essentially parallel to the respectively adjacent generating line of the casing (3). <IMAGE>

IPC 1-7
F23D 14/38; **F23D 14/52**; **F23D 14/76**

IPC 8 full level
F23D 14/38 (2006.01); **F23D 14/52** (2006.01); **F23D 14/76** (2006.01)

CPC (source: EP)
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Cited by
DE29512230U1; US5213494A; EP0494631A3

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EP 0240751 A2 19871014; **EP 0240751 A3 19880921**; **EP 0240751 B1 19910123**; AT E60421 T1 19910215; DE 3611592 A1 19871008; DE 3767528 D1 19910228

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