

Title (en)

Burner head for gas burner, burner provided with such a head and combustion process

Title (de)

Brennerkopf für Gasbrenner, Brenner versehen mit einem solchen Kopf und Verbrennungsverfahren

Title (fr)

Tête de combustion perfectionnée pour brûleur à gaz, brûleur équipé d'une telle tête et procédé de combustion

Publication

EP 0660039 B1 19990428 (FR)

Application

EP 94402988 A 19941222

Priority

FR 9315655 A 19931224

Abstract (en)

[origin: EP0660039A1] The invention relates in particular to a burner head (1) comprising a tubular end-piece (2), having an axis (4), which internally contains feed means (18, 26) for oxidant (23) and combustible (22, 22') fluids, and a deflector (36), the fluids flowing through the end-piece and beyond along a general flow direction (20). The head is characterised in that it furthermore includes at least one part (42) which aligns the flow of the fluids beyond the deflector, which has, along the flow direction, a first upstream portion of reduced radial section, oriented towards the deflector, then a second downstream portion, of larger section. The invention applies in particular to gas burners, for example with blown air. <IMAGE>

IPC 1-7

F23D 14/22; F23D 14/70; F23C 6/04

IPC 8 full level

F23C 6/04 (2006.01); **F23D 14/22** (2006.01); **F23D 14/70** (2006.01)

CPC (source: EP)

F23C 6/045 (2013.01); **F23D 14/22** (2013.01); **F23D 14/70** (2013.01); **F23C 2201/20** (2013.01); **F23C 2202/40** (2013.01)

Cited by

EP0884528A3; WO0020799A1

Designated contracting state (EPC)

AT BE CH DE DK ES GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0660039 A1 19950628; **EP 0660039 B1 19990428**; AT E179505 T1 19990515; DE 69418164 D1 19990602; FR 2714455 A1 19950630; FR 2714455 B1 19960202

DOCDB simple family (application)

EP 94402988 A 19941222; AT 94402988 T 19941222; DE 69418164 T 19941222; FR 9315655 A 19931224