

Title (en)
Improvements relating to fuel/air pre-mixed burners

Title (de)
Brennstoff/Luft Vormischbrenner

Title (fr)
Brûleurs à prémélange combustible/air

Publication
EP 0950853 A3 20000223 (EN)

Application
EP 99107675 A 19990416

Priority
GB 9808354 A 19980418

Abstract (en)
[origin: EP0950853A2] A gas burner (10) is provided comprising a plurality of annular plate elements (14) stacked to form at least a part of the burner body and to define therein a hollow interior (16). A combustible gas/air mixture (20) is supplied to the interior of the burner through one end of the stack and optionally said supply is fan (22) assisted. The plate elements are stacked together in adjacent fashion but are separated from one another by protrusions provided on one side of the plates which are received by recesses provided in adjacent plates which are of a depth less than that of the protrusions. Thus not only are the plates separated from one another to define a plurality of passages (32) which lead in a direction transverse to the stack height from the interior to flame ports (34) on the outside of the body and through which the combustible gas/air mixture can flow, but the protrusions and recesses provide an extremely convenient means of assembling the burner. <IMAGE>

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IPC 8 full level
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Citation (search report)
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