

Title (en)
IMPROVEMENTS IN OR RELATING TO BURNERS

Title (de)
BRENNER

Title (fr)
AMELIORATIONS RELATIVES A DES BRULEURS

Publication
EP 0487700 B1 19961127 (EN)

Application
EP 91912132 A 19910617

Priority
• GB 9013368 A 19900615
• GB 9100973 W 19910617

Abstract (en)
[origin: WO9119942A1] A burner head (1), suitable for use in a furnace, has an array or matrix of combustion air apertures divided into three (outer, middle and inner) aperture rings (6, 7, 8). Gaseous fuel is conveyed down central fuel pipe (9) which flows through gallery (G) to individual broached apertures (6a, 7a, 8a) of aperture rings (6, 7, 8), which fuel mixes with combustion air being drawn up through the centre of said apertures. The aperture matrix is configured to eliminate anomalous 'hot spots' which could accelerate corrosion as well as equalising flow distribution through the gallery (G) to the apertures (6a, 7a, 8a).

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CPC (source: EP)
F23D 14/20 (2013.01); **F23D 14/46** (2013.01); **F23D 17/002** (2013.01)

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WO 9119942 A1 19911226; AT E145717 T1 19961215; CA 2064799 A1 19911216; CA 2064799 C 20000118; DE 69123329 D1 19970109; DE 69123329 T2 19970710; DK 0487700 T3 19970512; EP 0487700 A1 19920603; EP 0487700 B1 19961127; GB 2245055 A 19911218; GB 2245055 B 19940525; GB 9013368 D0 19900808; GB 9113056 D0 19910807

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