

Title (en)
Burner for a heat generator

Title (de)
Brenner für einen Wärmeerzeuger

Title (fr)
Brûleur pour un générateur de chaleur

Publication
EP 0780629 A3 19980819 (DE)

Application
EP 96810804 A 19961118

Priority
DE 19547913 A 19951221

Abstract (en)
[origin: EP0780629A2] The burner has a mixer section and a swirl generator. The mixer section (220) is positioned downstream from the swirl generator (100) and has, within a first part of the section (200) transfer ducts (201) running in the direction of flow for transmitting a current (40) formed in the swirl generator into a pipe situated downstream from the transfer ducts. The outlet plane of the pipe to the combustion chamber (30) has a break edge (A) for stabilising and enlarging a reverse current zone (50) formed downstream. The number of transfer ducts in the mixed section matches the number of art currents formed by the swirl generator. The pipe situated after the transfer ducts has openings (21) for injecting an air current into the pipe.

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IPC 8 full level
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CPC (source: EP KR US)
F23C 7/002 (2013.01 - EP KR US); **F23D 11/402** (2013.01 - EP KR US); **F23D 17/002** (2013.01 - EP US);
F23C 2900/07002 (2013.01 - EP KR US)

Citation (search report)

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