

Title (en)

Burner for operating a hot gas generating unit

Title (de)

Brenner zum Betrieb eines Aggregates zur Erzeugung eines Heissgases

Title (fr)

Brûleur pour la mise en oeuvre d'une unité pour la génération d'un gaz chaud

Publication

EP 0881431 A3 19990630 (DE)

Application

EP 98810339 A 19980420

Priority

DE 19721936 A 19970526

Abstract (en)

[origin: EP0881431A2] The burner has at least two hollow conical parts (1,2) boxed together in the flow direction with their centre axes offset and each having on their inner walls spaced guide bodies (50) which are in active connection with the combustion air (7) flowing into the interior space (8) formed by the two parts. The guide bodies have in the longitudinal direction of the burner a variable inflow angle relative to the burner axis. The ratio between the spacing of the individual guide bodies relative to each other and the width of the tangential air inlet channels (5,6) is approximately 1.

IPC 1-7

F23C 7/00; F23D 17/00; F23C 9/08

IPC 8 full level

F23C 7/00 (2006.01); **F23C 9/08** (2006.01); **F23M 9/02** (2006.01)

CPC (source: EP)

F23C 7/002 (2013.01); **F23C 9/08** (2013.01); **F23M 9/02** (2013.01); **F23C 2202/30** (2013.01); **F23C 2900/07002** (2013.01); **F23C 2900/09002** (2013.01)

Citation (search report)

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- [A] EP 0629817 A2 19941221 - ABB RESEARCH LTD [CH]
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- [AP] EP 0777082 A2 19970604 - ABB RESEARCH LTD [CH]
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