Title (en)

Burner

Title (de)

Brenner

Title (fr)

Bruleur

Publication

EP 0694730 A3 19980506 (DE)

Application

EP 95810443 A 19950705

Priority

DE 4426353 A 19940725

Abstract (en)

[origin: EP0694730A2] The burner (100) consists basically of at least two hollow conical part bodies (101,102) movable relative to each other in the flow direction. The longitudinal axes of symmetry of these bodies are offset. Their adjacent walls form tangential air intake slits in the longitudinal direction to take combustion airflow (115) into the internal space (114) of the burner. The thorough flow cross-section of the tangential slits decreases in the flow direction of the burner, with a stabilising effect on the backflow zone (106) at the exit from the burner. <IMAGE>

IPC 1-7

F23D 11/40; F23R 3/12

IPC 8 full level

F23R 3/30 (2006.01); **F23C 1/08** (2006.01); **F23C 7/00** (2006.01); **F23D 11/40** (2006.01); **F23D 17/00** (2006.01); **F23R 3/12** (2006.01)

CPC (source: EP US)

F23C 7/002 (2013.01 - EP US); **F23D 11/402** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US); **F23R 3/12** (2013.01 - EP US); F23C 2900/07002 (2013.01 - EP US)

Citation (search report)

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- [A] EP 0210462 A1 19870204 - BBC BROWN BOVERI & CIE [CH]
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- [DA] EP 0321809 A1 19890628 - BBC BROWN BOVERI & CIE [CH]

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EP 95810443 A 19950705; CN 95108624 A 19950724; DE 4426353 A 19940725; DE 59509959 T 19950705; JP 18433695 A 19950720; US 44986895 A 19950524