

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 0881432 A3 19990616 (DE)

Application

EP 98810340 A 19980420

Priority

DE 19721937 A 19970526

Abstract (en)

[origin: EP0881432A2] The burner comprises two hollow conical body parts (1,2) with offset centre axes. A burner front plate (18/27) is mounted on the outlet side of the burner with its outer end (27) inclined inwards at an acute angle. The outer end of the front plate comprises a ring-shaped truncated cone set on the flank-side circumference of a vertical front plate (18). The fuel nozzle (11) is mounted on the top side on the burner axis. The through-flow cross-section of the inner space formed by the body parts increases uniformly in the flow direction.

IPC 1-7

F23C 7/00; **F23D 17/00**

IPC 8 full level

F23C 7/00 (2006.01); **F23D 11/40** (2006.01); **F23D 14/02** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP)

F23C 7/002 (2013.01); **F23D 11/402** (2013.01); **F23D 14/02** (2013.01); **F23D 17/002** (2013.01); **F23C 2202/40** (2013.01); **F23C 2900/07002** (2013.01); **F23D 2209/20** (2013.01); **F23D 2900/14021** (2013.01)

Citation (search report)

- [A] US 2806517 A 19570917 - TE NUYL JOHANNES A
- [A] DE 2517756 A1 19761104 - COULON CHRISTIAN
- [A] WO 9513502 A1 19950518 - IVO INTERNATIONAL OY [FI], et al
- [A] WO 9317279 A1 19930902 - UNITED TECHNOLOGIES CORP [US]
- [A] DE 19537636 A1 19970417 - ASEA BROWN BOVERI [CH]
- [A] WO 8911065 A1 19891116 - SUNDSTRAND CORP [US]
- [A] US 5240410 A 19930831 - YANG SHYH-CHING [TW], et al

Cited by

US7871262B2; US7241138B2; EP1217295A2; US6773257B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0881432 A2 19981202; **EP 0881432 A3 19990616**; DE 19721937 A1 19981203; DE 19721937 B4 20081211

DOCDB simple family (application)

EP 98810340 A 19980420; DE 19721937 A 19970526