

Title (en)
NOZZLE FOR BURNER

Publication
EP 0055734 B1 19850529 (DE)

Application
EP 81901912 A 19810707

Priority
CH 530580 A 19800710

Abstract (en)
[origin: WO8200333A1] The nozzle has a casing (1) with a helical shaped body (7) arranged inside; the latter is pressed by a mounting screw (13), through a sleeve (11), against the conical inner surface (2) of the casing. The fluid flowing in the opening (3) of the nozzle is first filtered in a filter (17) and arrives, through an axial channel (15), in a chamber (23) and from there, through radial openings (12), into an annular channel (24). In the latter, there is arranged a protection body (21) with openings (22) which are at least as big as the openings of the filter (17). The protection body (21) retains in the filter or in the casing (1) the small particles which detach and thereby prevents a clogging of the helical grooves (9) and of the opening of the nozzle (3). To collect at least all the small particles which fall, the protection body (21) lies in the close vicinity of the nozzle opening (3).

IPC 1-7
F23D 11/38

IPC 8 full level
B05B 1/14 (2006.01); **F23D 11/38** (2006.01)

CPC (source: EP US)
B05B 1/14 (2013.01 - EP US); **F23D 11/383** (2013.01 - EP US)

Cited by
DE3901033A1

Designated contracting state (EPC)
FR

DOCDB simple family (publication)
WO 8200333 A1 19820204; CH 648918 A5 19850415; DE 3152218 D2 19820826; DK 102482 A 19820309; EP 0055734 A1 19820714; EP 0055734 B1 19850529; FI 71612 B 19861010; FI 71612 C 19870119; FI 820665 L 19820225; GB 2091595 A 19820804; NO 152881 B 19850826; NO 152881 C 19851204; NO 820723 L 19820308; SE 438030 B 19850325; SE 8201477 L 19820310; US 4438882 A 19840327

DOCDB simple family (application)
CH 8100075 W 19810707; CH 530580 A 19800710; DE 3152218 T 19810707; DK 102482 A 19820309; EP 81901912 A 19810707; FI 820665 A 19820225; GB 8206627 A 19810707; NO 820723 A 19820308; SE 8201477 A 19820310; US 35965182 A 19820308