

Title (en)
BURNER FOR LOW CALORIFIC FUELS

Title (de)
BRENNER FÜR NIEDERKALORISCHE BRENNSTOFFE

Title (fr)
BRÛLEUR POUR COMBUSTIBLES À FAIBLE POUVOIR CALORIFIQUE

Publication
EP 3364105 B1 20191127 (EN)

Application
EP 17156516 A 20170216

Priority
EP 17156516 A 20170216

Abstract (en)
[origin: EP3364105A1] The burner, which comprising an air supply pipe, fuel supply pipe attached to a central burner tube, which is terminated by the front face on the side of the supply pipe whereas in the front face (6) a support tube (7) is fixed, on which a burner head (4) at the burner's output is mounted, the burner head (4) is provided with nozzles (13) arranged in a circle near to the inner perimeter of the burner head (4) and forming the primary stage of the burner (1), and further the burner head (4) is provided with angled grooves (14) on the outer perimeter, which form the secondary stage of the burner (1), and further the whirler (2) with its inner perimeter (15) is arranged onto central burner tube (5) at its outlet end, and the whirler's surface (16) has conical shape extending outwardly and the whirler's surface (16) openings (9), arranged in a circle are provided.

IPC 8 full level
F23D 14/22 (2006.01); **F23D 14/24** (2006.01)

CPC (source: EP)
F23D 14/24 (2013.01); **F23D 2900/14002** (2013.01)

Cited by
CN110513688A; EP4345373A1

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