

Title (en)
Totally aerated combustion burner

Title (de)
Vollständig belüfteter Brenner

Title (fr)
Brûleur à combustion totalement aérée

Publication
EP 2584260 B1 20170308 (EN)

Application
EP 11185667 A 20111018

Priority
EP 11185667 A 20111018

Abstract (en)
[origin: EP2584260A1] A totally aerated combustion burner (1) having a combustion plate (3) with a multiplicity of flame holes (3a) includes a distribution chamber (4), a mixing chamber (5), and an air supply chamber (6). The mixing chamber (5) has a front surface with a plurality of nozzle holes (52) disposed in parallel with, and at a lateral distance from, one another so that a fuel gas to be ejected from the nozzle holes (52) and the primary air from the air supply chamber (6) get mixed in the mixing chamber (5). A wall plate (55) is disposed upright on a bottom surface of the mixing chamber (5) in a manner to lie opposite to the front surface of the mixing chamber while leaving a ventilation clearance to the front surface. An air inlet (56) is formed in such a portion at the bottom surface of the mixing chamber as to face the ventilation clearance.

IPC 8 full level
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CPC (source: EP)
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