

Title (en)
Atmospheric multigas burner

Title (de)
Atmosphärischer Multigas-Brenner

Title (fr)
Brûleur atmosphérique multi-gaz

Publication
EP 2264365 A1 20101222 (EN)

Application
EP 10164157 A 20100527

Priority
IT NA20090032 A 20090527

Abstract (en)
The present patent application for industrial invention basically regards a multigas atmospheric burner, in particular for supplying traditional and mechanical ovens, characterized by: a) two or more torches functioning independently, characterized by a new type of atmospheric mixer; b) a system for regulation of fuel/comburent mixture, characterized by a nozzle of small size; c) a manual-opening feed valve for each torch; d) a pilot burner set in a central position, which guarantees ignition of the flame of all the torches; e) an ignition probe, which enables ignition of the flame of the pilot burner; f) an ionization probe, which, in the absence of flame, blocks fuel supply; g) a combustion head for each torch, having an inclination that varies according to the dimensions and the shape of the oven to be supplied and a surface for outlet of the mixture that envisages a plurality of small holes all of the same size; h) two solenoid valves set in series, one of which is a slow-opening solenoid valve and one is a safety valve for providing fuel tightness; i) a protective guard with outer surface that is not smooth, which is connected to an end-of-travel system that blocks supply of fuel upon closing of the hatch; 1) a safety thermostat.

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Citation (search report)
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