

Title (en)
PRE-MIX GAS BURNER

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EP 0271500 B1 19910410 (DE)

Application
EP 87902439 A 19870513

Priority
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Abstract (en)
[origin: WO8706998A1] A combustion pipe (1) is designed as a cylindrical hollow body with a horizontal axis, and is provided with an inner chamber (2) which is supplied from a pre-mix gas nozzle, not illustrated, with entrainment of primary air. In the inner chamber (2) a combustion gas/primary air mixture is transported accordingly. Leading from the gas pipe which extends to the pre-mix nozzle is a branch pipe which leads to a secondary line (3) ending in distribution pipes (4) which are arranged in parallel on both sides of the effective combustion pipe but at a distance from and on the lower side of the latter. On the upper side (5) of these distribution tubes are outlet openings for combustion gas, which emerges upwardly with a wedge shape in a region (6) and thereby penetrates the region of the secondary air which is marked by arrows (7) and with which it mixes. In this way an oxygen-depleted mixture arrives in particular at the foot (8) of the main flame (9), said depletion being effected by the combustion gas itself.

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