

Title (en)

FLAME BURNER AND METHOD FOR FLAME BURNING A METALLIC SURFACE

Title (de)

FLÄMMBRENNER UND VERFAHREN ZUM BRENNFLÄMMEN EINER METALLISCHEN OBERFLÄCHE

Title (fr)

BRÛLEUR À FLAMME ET PROCÉDÉ DE BRÛLAGE AU CHALUMEAU D'UNE SURFACE MÉTALLIQUE

Publication

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Application

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Abstract (en)

[origin: WO2008011851A1] The invention relates to a flame burner having a nozzle (10) disposed in a head, wherein in addition to annularly disposed gas supply channels (11) the nozzle has a central gas supply opening (12), which has a laval nozzle-like region and a stabilizing region having a consistent diameter connected thereto in the flow direction. In order to flame burn a metallic surface the oxygen gas guided through a central nozzle of a flame burner is incited to oscillate in such a manner, such that a pulsating oxygen flow exiting the nozzle mouth is formed at the speed of sound, or at supersonic speed.

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