

Title (en)

BURNER WITH HIGH FLAME STABILITY, PARTICULARLY FOR THE THERMAL TREATMENT OF CERAMIC ARTICLES

Title (de)

BRENNER MIT HOHER FLAMMSTABILITÄT, INSBESONDERE ZUR WÄRMEBEHANDLUNG VON KERAMIKARTIKELN

Title (fr)

BRÛLEUR À HAUTE STABILITÉ DE LA FLAMME, EN PARTICULIER POUR LE TRAITEMENT THERMIQUE D'ARTICLES CÉRAMIQUES

Publication

EP 2553338 A1 20130206 (EN)

Application

EP 10761020 A 20101006

Priority

- IT MO20100087 A 20100329
- EP 2010064931 W 20101006

Abstract (en)

[origin: WO2011120597A1] A burner (1) with high flame stability, particularly for the thermal treatment of ceramic articles, comprising a supporting body (2) provided with at least one first port (4) for the inflow of an oxidizing fluid and with at least one second port (5) for the inflow of a combustible fluid, and a combustion head (7) which is associated with the supporting body (2) and is provided, in its central region, with nozzle means (8) which are associated with the second port, for the outflow of the combustible fluid in a combustion region (9) and, in its peripheral region, with an annular diffuser (14) provided with a plurality of through openings (15) for orienting the flow of the oxidizing fluid toward the combustion region. At least one of the openings (15) comprises a slot (15a), which is provided inside the diffuser (14) and has an extension along a first transverse dimension that is substantially larger than the extension along a second direction that is transverse to the first direction.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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