

Title (en)

BURNER ASSEMBLY, METHOD FOR OPERATING SAID BURNER ASSEMBLY AND PLANT COMPRISING SAID BURNER ASSEMBLY

Title (de)

BRENNERANORDNUNG, VERFAHREN ZUM BETRIEB DER BRENNERANORDNUNG UND ANLAGE MIT DIESER BRENNERANORDNUNG

Title (fr)

ENSEMBLE DE BRÛLEUR, PROCÉDÉ DE FONCTIONNEMENT DE CET ENSEMBLE DE BRÛLEUR ET INSTALLATION COMPORTANT CET ENSEMBLE DE BRÛLEUR

Publication

EP 3819541 B1 20220824 (EN)

Application

EP 20206296 A 20201106

Priority

IT 201900020506 A 20191106

Abstract (en)

[origin: EP3819541A1] A burner assembly for burning pulverised fuel including: a primary duct (2) extending along a longitudinal axis (A) wherein a flow of air and pulverised fuel flows in one direction (D); the primary duct (2) being provided with an inlet (7) and an outlet (8); and a homogeniser device (26) housed inside the primary duct (2) and comprising a hollow body (37) substantially centred on the longitudinal axis (A) and provided with an outer surface (38) and an inner surface (39); at least one swirler (40; 41) arranged on the outer surface (38) and/or on the inner surface (39) so as to create a gradient between the tangential components of the velocities of the air and fuel flow flowing outside the hollow body (37) and inside the hollow body (37).

IPC 8 full level

F23D 1/00 (2006.01)

CPC (source: EP)

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