

Title (en)

FORCED-FLOW STEAM GENERATOR FOR BURNING DRY BROWN COAL

Title (de)

ZWANGDURCHLAUFDAMPFERZEUGER FÜR DIE VERFEUERUNG VON TROCKENBRAUNKOHLE

Title (fr)

DISPOSITIF DE PRODUCTION DE VAPEUR À CIRCULATION FORCÉE POUR LA COMBUSTION DE LIGNITE SEC

Publication

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Application

EP 10768370 A 20100820

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Abstract (en)

[origin: WO2011026462A2] The invention relates to a forced-flow steam generator for burning dry brown coal without assistance from recirculated waste gas in the combustion chamber thereof. Said forced-flow steam generator (1) comprises a combustion chamber (2) and a waste gas flue (3) connected to the upper end thereof, and peripheral walls (4) surrounding said flue. Said walls (4) are formed from tubular walls (5), the tubes thereof guiding the water/steam working medium. The combustion chamber (2) comprises at least one burner (6), and downstream heating surfaces (7) are arranged in the waste gas flue (3). Part of the peripheral walls (4) is covered in the region of the combustion chamber (2) by at least one bulkhead heating surface (8), the size of which on the surface side being determined such that the heat absorption of the peripheral walls (4) and therefore the temperature thereof are reduced to a value enabling the formation of the peripheral walls (4) from modified, heat-resistant 2.25-2.5% chrome steel that does not require any heat aftertreatment following the welding treatment thereof.

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