

Title (en)
CONTINUOUS FLOW STEAM GENERATOR WITH A TWO-PASS BOILER DESIGN

Title (de)
DURCHLAUFDAMPFERZEUGER IN ZWEIZUGKESSELBAUWEISE

Title (fr)
GÉNÉRATEUR DE VAPEUR EN CONTINU EN CONSTRUCTION DE TYPE CHAUDIÈRE À DEUX PASSAGES

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Application
EP 14747337 A 20140725

Priority
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Abstract (en)
[origin: WO2015018667A1] The invention relates to a continuous flow steam generator comprising a combustion chamber (1), which has a substantially rectangular cross-section and a lower and an upper combustion chamber region (11, 12), and comprising a horizontal gas pass (2) connected downstream of the combustion chamber (1) on the flue-gas side. Gas-tight and gas-permeable peripheral walls (S, F, R, N, G) of the continuous flow steam generator are completely or partly made of steam generator pipes (10) which are welded together and through which a flow medium can flow, and collectors (31-40) are arranged and connected to the steam generator pipes such that groups of steam generator pipes connected in parallel form heating surface segments (H1-H10) of the peripheral walls (S, F, R, N, G). First passage collectors (31, 33, 34) are arranged and connected such that the flow medium from first heating surface segments (H1, H2) of two parallel first peripheral walls of the lower combustion chamber region (11) can be mixed with the fluid medium from second heating surface segments (H9, H10) of second peripheral walls, standing perpendicular to the first peripheral walls, of the upper combustion chamber region (12).

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