

Title (en)

METHOD FOR OPERATING A STEAM GENERATOR AND STEAM GENERATOR FOR CARRYING OUT THIS METHOD

Title (de)

VERFAHREN ZUM BETREIBEN EINES DAMPFERZEUGERS UND DAMPFERZEUGER ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE POUR FAIRE FONCTIONNER UN GENERATEUR DE VAPEUR, ET GENERATEUR DE VAPEUR POUR METTRE EN OEUVRE LEDIT PROCEDE

Publication

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Application

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Abstract (en)

[origin: DE19855670A1] The invention relates to a steam generator (1) having high steam efficiency, comprising a combustion chamber (8), a chimney (30) and an overheater (12), which has several heating surfaces (18). A flue gas flows through the combustion chamber (8), the overheater (12) and the chimney (30). The aim of the invention is to achievearticularly high efficiency and to avoid pollution and slagging during the operation of said steam generator (1). To this end, the flue gas temperature (T1) which has an effect on the heating surfaces (18), which are positioned first as seen in the flow direction of the flue gas, is adjusted in such a way that the softening temperature for ash particles contained in the flue gas is not reached and that fresh air (F) having a fresh air temperature (T2) reduced of at least $T_2 = 15K$ is supplied to the combustion chamber (8).

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