

Title (en)
REHEAT BOILER AND GAS TEMPERATURE CONTROL METHOD OF REHEAT BOILER

Title (de)
BOILER VOM ZWISCHENÜBERHITZERTYP UND GASTEMPERATURREGELVERFAHREN EINES BOILERS VOM ZWISCHENÜBERHITZERTYP

Title (fr)
CHAUDIÈRE À SURCHAUFFE ET PROCÉDÉ DE RÉGULATION DE LA TEMPÉRATURE DU GAZ D'UNE CHAUDIÈRE À SURCHAUFFE

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Application
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Abstract (en)
[origin: EP2206952A1] A reheat boiler according to the present invention includes a main boiler configured to make combustion gas originating from combustion in a burner flow from a furnace (102) and pass through a super heater and an evaporation tube bank, a reheat furnace (108) including a reheat burner (107) provided downstream of the evaporation tube bank, and a reheater (109) provided on the upper side of the reheat furnace (108), and also includes a combustion air supply portion (12) that is provided at a position opposite to the reheat burner (107) in the reheat furnace (108) to supply a part of the combustion air as combustion air (11b). By making combustion gas (107a) and the combustion air (11b) collide head-on to facilitate mixing of the combustion gas (107a) with the combustion air (11b), the flow patterns of the combustion gas are changed, whereby temperature unevenness of the combustion gas (107a) at the outlet of the reheat furnace (108) is reduced.

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