

Title (en)

OIL-FIRED BOILER HAVING COMBUSTION GAS PATH GUIDE

Title (de)

ÖLBEFEUERTER KESSEL MIT BRENNGASWEGFÜHRUNG

Title (fr)

CHAUDIÈRE AU MAZOUT COMPORTANT UN GUIDE DE TRAJECTOIRE DE GAZ DE COMBUSTION

Publication

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Application

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Abstract (en)

[origin: EP3287696A1] The present invention relates to an oil-fired boiler having a combustion gas path guide, the oil-fired boiler comprising: a combustion chamber wall body configured to enclose a combustion chamber in which combustion is performed by a burner; a plurality of fire tubes installed to face the burner with the combustion chamber interposed therebetween, wherein a combustion gas generated by the combustion of the burner passes through the plurality of fire tubes; a first fire tube support plate configured to fixedly support one end of each of the plurality of fire tubes, which is close to the burner; a boiler body configured to form a water tank accommodating heating water which is filled in a space between the combustion chamber wall body and the boiler body and a space between the fire tube and the boiler body; and combustion gas path guides provided between the burner and the first fire tube support plate and configured to block the combustion gas generated by the combustion of the burner from flowing through a central portion of the combustion chamber and at the same time to allow the combustion gas to flow through a space formed between an edge portion of the combustion chamber and an inner side surface of the combustion chamber wall body.

IPC 8 full level

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