

Title (en)

METHOD FOR CONTROLLING THE OPERATION OF A BOILER

Title (de)

VERFAHREN ZUR STEUERUNG DES BETRIEBS EINES KESSELS

Title (fr)

PROCÉDÉ DE COMMANDE DU FONCTIONNEMENT D'UNE CHAUDIÈRE

Publication

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Application

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Abstract (en)

[origin: EP4108988A1] The invention relates to a method for controlling the operation of a boiler (1) having a fuel supply system (2) for supplying fuel gas, in particular hydrogen, from a fuel supply (3) to a fuel gas combusting burner (4), the method comprising determining (S101) whether a risk situation exists based on a security criterion, blocking (S102) the supply of fuel gas in the fuel supply system (2) by means of a first gas valve (5) in case the security criterion is not satisfied, and providing (S103) the burner (4) with fuel gas from the fuel supply (3) by operating at least a second gas valve (6) of the fuel supply system (2) in presence of a heat request, in case the security criterion is satisfied, wherein the security criterion is based on a safety parameter associated with a concentration of fuel gas, in particular of hydrogen, in the fuel supply system (2) and/or on a detected electrical fault in the fuel supply system (2).

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