

Title (en)  
METHOD AND DEVICE FOR MONITORING BURNERS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG VON BRENNERN

Title (fr)  
PROCEDE ET DISPOSITIF DE CONTROLE DE BRULEURS

Publication  
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Application  
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Abstract (en)  
[origin: WO02077529A1] The invention relates to a device and a method for monitoring burners using an automatic heating machine (1) for controlling or regulating the burner (15), and a temperature controller (5). At least the flow/boiler temperature ( $T_{VL}$ ) is detected and is compared with a predeterminable first maximum flow/boiler temperature ( $T_{VLmax1}$ ) by means of the temperature controller (5). The burner (15) is switched off when the flow/boiler temperature ( $T_{VL}$ ) reaches or exceeds the predeterminable first maximum flow/boiler temperature ( $T_{VLmax1}$ ), while the flow/boiler temperature ( $T_{VL}$ ) is compared with a predeterminable second maximum flow/boiler temperature ( $T_{VLmax2}$ ) which is higher than the predeterminable first maximum flow/boiler temperature ( $T_{VLmax1}$ ). The burner (15) is switched off and locked when the flow/boiler temperature ( $T_{VL}$ ) reaches or exceeds the predeterminable second maximum flow/boiler temperature ( $T_{VLmax2}$ ) and additionally when an error signal (F) is produced by the temperature controller (5). The error signal (F) is produced when the burner (15) has not been switched off correctly by the temperature controller (5) when the first maximum flow/boiler temperature ( $T_{VLmax1}$ ) has been achieved.

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