

Title (en)  
METHOD FOR CONTROLLING AN EVAPORATOR BURNER

Title (de)  
VERFAHREN ZUM STEuern EINES VERDAMPFERBRENNERS

Title (fr)  
PROCÉDÉ DE COMMANDE D'UN BRÛLEUR À VAPORISATION

Publication  
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Application  
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Abstract (en)  
[origin: WO2008058408A2] The invention relates to a method for controlling an evaporator burner, having an electrically heatable evaporator chamber, to which the heating oil to be burned is supplied, and having a fan for feeding the combustion air. According to the invention, an actual evaporator chamber temperature value  $T_{\text{VDKist}}$  is adjusted to a target evaporator chamber temperature value  $T_{\text{VDKSoll}}$  after the burner is started, namely by varying the amount of air supplied to the burner, which is carried out by means of controlling a rotational speed  $D$  of the fan according to a function  $D = f(T_{\text{VDKist}})$ . Ideal evaporation of the heating oil is achieved by the control according to the invention. This prevents carbon build-up residue of the heating oil in the evaporator chamber. Furthermore, trouble-free burner operation is achieved over a long period of use by means of the invention, according to which the imission threshold values are adhered to.

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