

Title (en)  
HEATING DEVICE FOR HEATING FLUIDS AND A METHOD FOR OPERATING SUCH A HEATING DEVICE

Title (de)  
HEIZEINRICHTUNG ZUM ERHITZEN VON FLUIDEN UND VERFAHREN ZUM BETRIEB EINER SOLCHEN HEIZEINRICHTUNG

Title (fr)  
DISPOSITIF DE CHAUFFAGE DESTINÉ À CHAUFFER DES FLUIDES ET PROCÉDÉ DE FONCTIONNEMENT D'UN TEL DISPOSITIF DE CHAUFFAGE

Publication  
**EP 3096585 B1 20171220 (DE)**

Application  
**EP 15168028 A 20150518**

Priority  
EP 15168028 A 20150518

Abstract (en)  
[origin: US2016341419A1] A heating device for heating fluids has a flat support with a surface on which heating elements are arranged distributed over the surface area and are divided into one or more heating circuits which can be operated separately from one another. A temperature sensor device is provided with a sensor layer which covers the surface area of the heating elements. At least two sensor electrodes in an electrode layer are fitted onto the sensor layer, the at least two sensor electrodes being electrically disconnected from one another and having finger-like or turn-like sensor electrode sections which run at a distance of less than 2 cm in relation to one another. The width of in each case two sensor electrode sections which are arranged next to one another is less than 2 cm in each case. A control apparatus for evaluating the temperature sensor device is provided.

IPC 8 full level  
**H05B 3/26** (2006.01); **H05B 1/02** (2006.01)

CPC (source: CN EP RU US)  
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Cited by  
EP4161214A1; DE102018104371A1; DE102018213869A1; DE102018213869B4; DE102021211121A1; EP3614797A1; US11585574B2; EP3197241A1

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DOCDB simple family (publication)  
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