

Title (en)  
ELECTRIC LIQUID-HEATING DEVICE, AND USE OF SAME AND OF A HEAT CONDUCTOR

Title (de)  
ELEKTRISCHES FLÜSSIGKEITSHEIZGERÄT UND VERWENDUNG EINES SOLCHEN SOWIE EINES HEIZLEITERS

Title (fr)  
DISPOSITIF DE CHAUFFAGE DE LIQUIDE ÉLECTRIQUE ET UTILISATION D'UN TEL DISPOSITIF ET D'UN CONDUCTEUR CHAUFFANT

Publication  
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Application  
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Abstract (en)  
[origin: WO2018215196A1] The invention relates to an electrical air-heating device, in particular for a motor vehicle, comprising at least a first metal layer (10), a second metal layer (11), and a polymer layer (12), the polymer layer (12) containing a polymer component and containing a conductive carbon component and being arranged between the first and second metal layers, air channels (13) for conducting the air to be heated being provided, which extend from a first side of the polymer layer (12) facing the first metal layer (10) to a second side of the polymer layer (12) facing the second metal layer (11).

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**DE 102017121063 A 20170912**; CN 201880034338 A 20180523; CN 201880034356 A 20180523; CN 201880034357 A 20180508; CN 201880034422 A 20180523; CN 201880034427 A 20180523; CN 201880034457 A 20180523; CN 201880034459 A 20180523; CN 201880034461 A 20180524; CN 201880034605 A 20180508; DE 102017121038 A 20170912; DE 102017121039 A 20170912; DE 102017121040 A 20170912; DE 102017121041 A 20170912; DE 102017121042 A 20170912; DE 102017121045 A 20170912; DE 102017121060 A 20170912; DE 102017121062 A 20170912; DE 102017121064 A 20170912; EP 18727167 A 20180508; EP 18727168 A 20180508; EP 18728811 A 20180523; EP 18728812 A 20180523; EP 18728813 A 20180523; EP 18728814 A 20180523; EP 18728815 A 20180523; EP 18728816 A 20180523; EP 18728818 A 20180523; EP 18728826 A 20180524; EP 2018061796 W 20180508; EP 2018061803 W 20180508; EP 2018061813 W 20180508; EP 2018063494 W 20180523; EP 2018063497 W 20180523; EP 2018063499 W 20180523; EP 2018063500 W 20180523; EP 2018063508 W 20180523; EP 2018063513 W 20180523; EP 2018063516 W 20180523; EP 2018063521 W 20180523; EP 2018063726 W 20180524; JP 2019558687 A 20180523; JP 2019564513 A 20180508; JP 2019564516 A 20180523; JP 2021172250 A 20211021; KR 20197032550 A 20180523; KR 20197033754 A 20180508; KR 20197034025 A 20180523; US 201816610791 A 20180523; US 201816614921 A 20180523;

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US 201816615729 A 20180523; US 201816615742 A 20180523; US 201816615752 A 20180508