

Title (en)
HOUSEHOLD APPLIANCE HEATING METHOD AND RELATED DRYING OR WASHING-DRYING MACHINE

Title (de)
HAUSHALTSGERÄT-HEIZVERFAHREN UND ZUGEHÖRIGER TROCKNER BZW. WASCHTROCKNER

Title (fr)
MÉTHODE POUR CHAUFFER UN APPAREIL MÉNAGER ET SÈCHE-LINGE OU MACHINE LAVE-LINGE

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Application
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Abstract (en)
The invention relates to a method for heating air in a clothes dryer, a washing/drying machine (1) or a dishwasher, wherein a resistive heating element (5) made of carbon fiber is used. The heating element is a wire (5) that provides thermal energy by electric dissipation and irradiation throughout the range of air heating temperatures. The heater (10) is housed in a shell (21) also coated with or made of carbon, thus forming a radiating cavity and increasing the thermal efficiency of the system. The invention also relates to a household appliance implementing the heating according to the method.

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Citation (applicant)
US 4737618 A 19880412 - BARBIER PHILIPPE [FR], et al

Citation (search report)
• [X] EP 0485211 A1 19920513 - IST LAB LTD [GB]
• [X] KR 20140120125 A 20141013 - DAESUNG ELETRIC CO LTD [KR]
• [X] JP 2010063523 A 20100325 - PANASONIC CORP
• [X] US 2006117595 A1 20060608 - VIRZI ANDREA [IT], et al
• [X] KR 20060014485 A 20060216 - LG ELECTRONICS INC [KR]
• [A] CN 202559140 U 20121128 - HEFEI MEILING ENVIRONMENTAL PROT EQUIPMENT TECHNOLOGY CO LTD

Cited by
CN107157421A; CN112401799A

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