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(54) Title: THIN- FILM HEATING ELEMENT

(57) Abstract: The invention relates to a heating element comprising an aluminum substrate, an electrically insulating layer based on a sol-gel precursor, and an electrically resistive layer with a thickness smaller than 2 µm. The features of this heating element solve the problem of the crack formation due to a mismatch of thermal expansion coefficient of the aluminum substrate and the resistive layer. Also disclosed is an electrical domestic appliance comprising the heating element of the invention.

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