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(19) **United States**(12) **Patent Application Publication****Mbuy et al.**(10) **Pub. No.: US 2023/0230759 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **ELECTRICAL APPLIANCE WITH
MECHANICAL DECOUPLING BETWEEN
THE ACTIVE PART AND BOILER****H01F 27/32** (2006.01)**H01F 27/24** (2006.01)(71) Applicant: **SIEMENS
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(DE)**(52) **U.S. Cl.**
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Christer Vogt, Langensendelbach (DE)(57) **ABSTRACT**(21) Appl. No.: **18/011,273**(22) PCT Filed: **Jun. 19, 2020**(86) PCT No.: **PCT/EP2020/067202**

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An electrical appliance for connecting to a high voltage includes an active part, which is provided with a magnetizable core and at least one winding assembly, surrounding a respective core section of the core and having windings that are inductively coupled to one another. A tank, which can be filled with an insulating fluid, encases the active part. The tank has two end casings and a central part arranged between the end casings. The electrical appliance is compact and has a low tare weight. The active part is mechanically connected to the boiler only at the end casings and the end casings are supported on fasteners. The central part is produced from a light material.

