

Title (en)
HEATING APPARATUS FOR HEATING LIQUID

Title (de)
HEIZVORRICHTUNG ZUM AUFWÄRMEN EINER FLÜSSIGKEIT

Title (fr)
APPAREIL DE CHAUFFAGE DE LIQUIDE

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Application
EP 17747031 A 20170313

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Abstract (en)
[origin: EP3412986A1] A heating apparatus (100) for heating liquid comprises a sealed frame (1), a heating body (10), a water inlet (14), and a water outlet (11). The sealed frame (1) and the heating body (10) are sealedly connected, and the two enclose and form a cavity within. The cavity is provided with a sealed body (2), and the sealed body (2) and the heating body (10) enclose and form a sealed water passage (8) having a certain degree of capacity. The sealed water passage (8) is connected to the exterior separately by means of the water inlet (14) and the water outlet (11). Liquid that enters from the water inlet (14) is limited and sealed within the sealed water passage (8), and flows along the sealed water passage (8) and, at the end, out of the water outlet (11). The heating apparatus (100) reduces the pre-heating time in start-up, continuously discharges water at a stable temperature. Additionally, the present invention avoids the problem of gasification and non-continuous water discharge as a result of water leakage caused by the gap between a liquid passage and a heater having a thick stainless steel film.

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