

Title (en)

LIQUID HEATING PUMP FOR CONVEYING AND HEATING LIQUID IN A WATER-BEARING DOMESTIC APPLIANCE

Title (de)

FLÜSSIGKEITSHEIZPUMPE ZUM FÖRDERN UND AUFHEIZEN VON FLÜSSIGKEIT IN EINEM WASSERFÜHRENDEN HAUSHALTSGERÄT

Title (fr)

POMPE DE CHAUFFAGE POUR LIQUIDE DESTINÉE AU REFOULEMENT ET AU CHAUFFAGE DE LIQUIDE DANS UN APPAREIL ÉLECTROMÉNAGER À CIRCULATION D'EAU

Publication

**EP 3455502 B1 20200610 (DE)**

Application

**EP 17723285 A 20170425**

Priority

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Abstract (en)

[origin: WO2017194301A1] The invention relates to a liquid heating pump (12) having an impeller chamber (40), which has a rotationally drivable impeller (17), and having a diffuser chamber and/or pressure chamber (50) arranged axially thereafter in the flow direction, which has a fixed diffuser (23). A heating device (26) is associated with the diffuser chamber and/or pressure chamber (50). The diffuser (23) comprises a main body (231) which, in particular is circular-cylinder-shaped. The main body has, on the end wall (233) thereof facing the impeller chamber (40), one or more guide vane sections (24) axially protruding in the direction (AR) of the impeller (17), which are positionally bounded by the outer periphery of the main body and which each protrude into a liquid ejection region (173) of the impeller (17) arranged around the outer periphery of the impeller (17) and which each extend away from said liquid ejection region outwardly toward the axial outer shell (232) of the main body (231), in particular to the axial outer shell (232) of the main body (231), which is arranged radially further outside than the liquid ejection region (173) of the impeller (17).

IPC 8 full level

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