

Title (en)

METHOD AND APPARATUS FOR HEATING AND PURIFYING LIQUIDS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERWÄRMEN UND REINIGEN VON FLÜSSIGKEITEN

Title (fr)

PROCÉDÉ ET APPAREIL POUR CHAUFFER ET PURIFIER DES LIQUIDES

Publication

EP 3568649 A1 20191120 (EN)

Application

EP 18738867 A 20180112

Priority

- US 201715405660 A 20170113
- US 2018013454 W 20180112

Abstract (en)

[origin: WO2018132640A1] A fluid cavitation apparatus includes a housing, an external rotor with cavitation bores in an outer surface thereof, and a motor for rotating the external rotor. An inner surface of the housing is spaced from the outer surface of the external rotor to create a fluid cavitation zone. The inner surface of the housing is configured with a spiral shape and tunnel zone to enhance the thermal transfer characteristics of the fluid for heating, cooling, and purification. A control system to facilitate proper motor speed, and fluid behavior to enhance the cavitation process.

IPC 8 full level

F24V 40/00 (2018.01)

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