Title (en)

INDUCTIVELY HEATABLE FLUID RESERVOIR

Title (de)

INDUKTIV ERWÄRMBARES FLÜSSIGKEITSRESERVOIR

Title (fr)

RÉSERVOIR DE FLUIDE POUVANT ÊTRE CHAUFFÉ PAR INDUCTION

Publication

EP 3212052 B1 20181226 (EN)

Application

EP 15793992 A 20151029

Priority

- US 201414530479 A 20141031
- US 2015058166 W 20151029

Abstract (en)

[origin: WO2016069957A1] A fluid reservoir includes a reservoir body, a heating structure, a piston, and an outlet port. The reservoir body includes a cross section, and a translation axis. The cross section is uniform along the translation axis. When fluid is housed in the reservoir, the heating structure is thermally coupled to the fluid. The heating structure energizes the fluid housed in the reservoir. The piston translates along the translation axis. An available volume of the reservoir to house the fluid is defined by a distance between the piston and an end of the reservoir body. When the piston is translated along the translation axis toward the end, a volume of the fluid that has been energized by the heating structure flows from the reservoir and through the outlet port. The volume of energized fluid is linearly proportional to a length of the translation of the piston.

IPC 8 full level

A47K 5/12 (2006.01)

CPC (source: CN EP KR)

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