

Title (en)  
AUTOMATIC HEATED FLUID DISPENSER

Title (de)  
AUTOMATISCHE ERWÄRMUNG EINES FLUIDSPENDERS

Title (fr)  
DISPOSITIF DE FLUIDE CHAUFFÉ AUTOMATIQUEMENT

Publication  
**EP 3212053 B1 20191023 (EN)**

Application  
**EP 15794420 A 20151029**

Priority  
• US 201414530447 A 20141031  
• US 2015058156 W 20151029

Abstract (en)  
[origin: WO2016069948A1] A dispenser includes a housing, an aperture, a receptacle, a heating element, and an actuator. When a reservoir is received within the receptacle, an outlet port of the reservoir is exposed through the aperture. The heating element heats fluid housed within the reservoir. The actuator provides a dispensing force that induces a flow of the heated fluid. In some embodiments, the heater is an inductive heater. In other embodiments, the heater is a resistive heater. The dispenser dispenses the fluid through the aperture. Another embodiment of a dispenser may include a housing, an aperture, a receptacle within the housing, an actuator configured to receive a fluid reservoir, and a power source. The power source provides power to the actuator. The power source includes an alternating current source.

IPC 8 full level  
**A47K 5/12** (2006.01); **A47K 5/122** (2006.01)

CPC (source: CN EP KR)  
**A47K 5/1211** (2013.01 - CN EP KR); **A47K 5/122** (2013.01 - CN EP KR); **B05C 5/02** (2013.01 - KR)

Citation (examination)  
• US 2005218159 A1 20051006 - HOOVER JIUN-YIH [TW]  
• US 2010000980 A1 20100107 - POPESCU BOGDAN [US]

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EP4152304A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2016069948 A1 20160506**; AU 2015339157 A1 20170525; CA 2966439 A1 20160506; CN 106998969 A 20170801;  
DK 3212053 T3 20200113; EP 3212053 A1 20170906; EP 3212053 B1 20191023; JP 2018501081 A 20180118; JP 6717819 B2 20200708;  
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