

Title (en)  
HEAT PUMP TYPE WATER HEATER SYSTEM

Title (de)  
WÄRMEPUMPENDURCHLAUFERHITZERSYSTEM

Title (fr)  
SYSTÈME DE CHAUFFAGE D'EAU À POMPE À CHALEUR

Publication  
**EP 3130867 A1 20170215 (EN)**

Application  
**EP 15180480 A 20150811**

Priority  
EP 15180480 A 20150811

Abstract (en)  
The present invention discloses a heat pump type water heater system including a refrigerant circuit having a water/refrigerant heat exchanger for condensing a refrigerant to release heat from the refrigerant to water passing through the water/refrigerant heat exchanger; a water tank that stores water capable of passing through the water/refrigerant heat exchanger to obtain heat from the refrigerant when the refrigerant circuit is working; and a cold water reservoir that stores cold water capable of passing through the water/refrigerant heat exchanger when the refrigerant circuit is not working. In this way, cold water from the cold water reservoir in addition to the water tank passes through the water/refrigerant heat exchanger when the refrigerant circuit is not working to avoid formation of scales and/or remove scales existing in the water/refrigerant heat exchanger.

IPC 8 full level  
**F24H 4/04** (2006.01); **F25B 25/00** (2006.01)

CPC (source: EP)  
**F24H 4/04** (2013.01); **F25B 30/02** (2013.01); **F25B 2339/047** (2013.01)

Citation (search report)  
• [XAI] EP 2672190 A1 20131211 - CLIVET S P A [IT]  
• [XAI] EP 2860469 A1 20150415 - TNO [NL]

Cited by  
CN108954912A; CN109373584A

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (publication)  
**EP 3130867 A1 20170215**; **EP 3130867 B1 20181107**; ES 2709011 T3 20190412

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