

Title (en)
WATER HEATER

Title (de)
WARMWASSERBEREITER

Title (fr)
CHAUFFE-EAU

Publication
EP 2770278 B1 20190731 (EN)

Application
EP 14155464 A 20140217

Priority
JP 2013034189 A 20130225

Abstract (en)
[origin: EP2770278A1] A water heater including: a refrigerant circuit 3 configured by annularly connecting, to one another through refrigerant pipes, a compressor 11, a first radiator 12, an expansion device 13, and an evaporator 14; a hot water tank 21; and a heat medium circuit 4 configured by annularly connecting, to one another through heat medium pipes, the first radiator 12, a second radiator 22, and a circulation device 23, wherein the refrigerant circulating through the refrigerant circuit 3 is carbon dioxide, and in the second radiator 22, the heat medium pipe is wound around an outer surface of the hot water tank 21, and the heat medium releases heat to water in the hot water tank 21. Therefore, it is possible to efficiently produce high temperature water while suppressing precipitation of scale.

IPC 8 full level
F25B 9/00 (2006.01); **F25B 25/00** (2006.01)

CPC (source: EP)
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Cited by
ES2737673A1; CN106940087A; EP3220077A1; US10928104B2; WO2017060733A1

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