

Title (en)
HOT-WATER SUPPLY AND HEATING SYSTEM

Title (de)
HEISSWASSERVERSORGUNGS- UND -ERWÄRMUNGSSYSTEM

Title (fr)
SYSTÈME D'ALIMENTATION EN EAU CHAUDE ET DE CHAUFFAGE

Publication
EP 3199884 B1 20220727 (EN)

Application
EP 14902428 A 20140926

Priority
JP 2014075703 W 20140926

Abstract (en)
[origin: EP3199884A1] A hot-water supply and heating system capable of adequately increasing the temperature of hot water that flows into a hot water storage tank during a heat accumulating operation, in a configuration in which a single water pump is used for both the heat accumulating operation and an indoor-heating operation, is provided. The hot-water supply and heating system includes: a heat accumulating water path that connects a first water outlet 25 of a hot water storage tank 2, a water pump 11, a water heater 100, and a first water inlet 26 of the hot water storage tank 2 in this order; an indoor-heating water path that connects a second water inlet 28, the water pump 11, the water heater 100, and a second water outlet 27 from which water to be supplied to an indoor-heating device comes out in this order; and a switching valve 6 configured to switch between the heat accumulating water path and the indoor-heating water path. An overlap portion in which the heat accumulating water path overlaps the indoor-heating water path is provided. A pressure loss of the heat accumulating water path is higher than a pressure loss of the indoor-heating water path.

IPC 8 full level
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CPC (source: EP US)
F24D 11/0214 (2013.01 - EP); **F24D 19/1072** (2013.01 - EP US); **F24D 3/18** (2013.01 - EP); **F28D 20/0039** (2013.01 - EP)

Cited by
CN108895514A; EP3779285A4; CN110332595A

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