

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 A4 20180620 (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
F24D 11/02 (2006.01); **F24D 3/18** (2006.01); **F24D 19/10** (2006.01); **F28D 20/00** (2006.01)

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)

Citation (search report)

- [X] EP 2469195 A1 20120627 - MITSUBISHI ELECTRIC CORP [JP]
- [A] DE 102009037710 A1 20110203 - WEISHAUP MAX GMBH [DE]
- [A] EP 2037193 A2 20090318 - BOSCH GMBH ROBERT [DE]
- See references of WO 2016046978A1

Cited by
CN108895514A; EP3779285A4; CN110332595A

Designated contracting state (EPC)
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

DOCDB simple family (publication)
EP 3199884 A1 20170802; **EP 3199884 A4 20180620**; **EP 3199884 B1 20220727**; JP 6252685 B2 20171227; JP WO2016046978 A1 20170427; WO 2016046978 A1 20160331

DOCDB simple family (application)
EP 14902428 A 20140926; JP 2014075703 W 20140926; JP 2016549878 A 20140926