

Title (en)

Storage-type hot-water supplying system

Title (de)

Heißwasserbereitstellungssystem vom Speichertyp

Title (fr)

Système d'alimentation en eau chaude de type à stockage

Publication

EP 2881674 A1 20150610 (EN)

Application

EP 14195982 A 20141203

Priority

JP 2013252265 A 20131205

Abstract (en)

A storage-type hot-water supplying system (1) comprising hot-water storage tanks (7A, 7B, 7C) connected in series between a hot-water outlet pipe for high-temperature water (4), extending from a heat source unit (2), and a water supplying pipe for low-temperature water (5), leading to the heat source unit (2); wherein a most-upstream hot-water storage tank (7A) closest to the hot-water outlet pipe (4) serves as a hot-water-supplying hot-water storage tank for high-temperature water, and a most-downstream hot-water storage tank (7C) serves as a water-supplying hot-water storage tank for the heat source unit (2); and a hot-water supplying system (9A) for high-temperature water is connected to the most-upstream tank (7A), and at least one hot-water supplying system (9B, 9C) that allows hot water of different temperatures to be supplied via a mixing valve (10B, 10C) is connected to a top portion of a tank (7B, 7C) at the downstream side thereof.

IPC 8 full level

F24D 17/00 (2006.01); **F24D 17/02** (2006.01)

CPC (source: EP)

F24D 17/0031 (2013.01); **F24D 17/02** (2013.01); **F24D 2220/08** (2013.01)

Citation (applicant)

- JP 2005127640 A 20050519 - TOSHIBA CARRIER KK
- JP 2011169584 A 20110901 - MITSUBISHI ELECTRIC CORP

Citation (search report)

- [Y] WO 2011133987 A1 20111027 - BRUWER FREDERICK JOHANNES [ZA], et al
- [Y] US 4601263 A 19860722 - SHIEH TZY D [TW]

Cited by

CN113944951A; WO2020027650A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2881674 A1 20150610; **EP 2881674 B1 20170531**; JP 2015108486 A 20150611; JP 6342145 B2 20180613

DOCDB simple family (application)

EP 14195982 A 20141203; JP 2013252265 A 20131205