

Title (en)

COMBINED SYSTEM AND PROCESS FOR HEATING A MAIN WATER CIRCUIT

Title (de)

KOMBINIERTES SYSTEM UND VERFAHREN ZUR HEIZUNG EINES HAUPTWASSERKREISLAUFS

Title (fr)

SYSTÈME ET PROCÉDÉ COMBINÉS DE CHAUFFAGE D'UN CIRCUIT D'EAU PRINCIPAL

Publication

EP 4056920 B1 20240626 (EN)

Application

EP 22161158 A 20220309

Priority

IT 202100005903 A 20210312

Abstract (en)

[origin: EP4056920A1] A combined system for heating (1) a main water circuit (30) comprising a condensing boiler (20) and a heat pump (11, 12, 13, 14, 16). The boiler (20) has a combustion fumes outlet (23), the heat pump (11, 12, 13, 14, 16) comprises a refrigerant circuit (11) in which a refrigerant fluid flows and a first heat exchanger (12) crossed by the circuit (11) in which the refrigerant fluid receives heat passing from a liquid state to a gaseous state. The combined heating system (1) comprises a duct (40) extending between the fumes outlet (23) of the boiler (20) and said first heat exchanger (12) so as to carry the fumes coming from the fumes outlet (23) at the first heat exchanger (12).

IPC 8 full level

F24H 4/06 (2006.01); **F24D 3/08** (2006.01); **F24D 3/18** (2006.01); **F24H 4/04** (2006.01); **F24H 8/00** (2022.01); **F24H 9/00** (2022.01)

CPC (source: EP)

F24D 3/08 (2013.01); **F24D 3/18** (2013.01); **F24H 4/04** (2013.01); **F24H 4/06** (2013.01); **F24H 8/00** (2013.01); **F24H 9/0068** (2013.01); **F24D 2200/046** (2013.01); **F24D 2200/123** (2013.01)

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 4056920 A1 20220914; EP 4056920 B1 20240626

DOCDB simple family (application)

EP 22161158 A 20220309