

Title (en)  
HEAT SUPPLY APPARATUS

Title (de)  
WÄRMEZUFUHRVORRICHTUNG

Title (fr)  
APPAREIL DE FOURNITURE DE CHALEUR

Publication  
**EP 4124801 A1 20230201 (EN)**

Application  
**EP 22186746 A 20220725**

Priority  
KR 20210097991 A 20210726

Abstract (en)  
The present disclosure relates to a heat supply apparatus that includes an outdoor unit including a heat exchanger configured to exchange heat between refrigerant and water, a load unit using heat of heat-exchanged water as a load, and an indoor unit configured to supply water discharged from the outdoor unit to the load unit and configured to supply water discharged from the load unit to the outdoor unit, wherein the indoor unit includes a case defining an outer shape, a first connection pipe disposed in the case and configured to transfer water introduced from the outdoor unit to the load unit, a second connection pipe disposed in the case and configured to transfer water introduced from the load unit to the outdoor unit, and a pump disposed at the second connection pipe and configured to pump water of the load unit to the outdoor unit.

IPC 8 full level  
**F24D 3/18** (2006.01); **F24D 17/02** (2006.01); **F24H 9/02** (2006.01); **F24H 9/14** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP KR)  
**F24D 3/02** (2013.01 - KR); **F24D 3/10** (2013.01 - KR); **F24D 3/18** (2013.01 - EP KR); **F24D 17/02** (2013.01 - EP); **F24D 19/083** (2013.01 - KR); **F24H 9/02** (2013.01 - EP); **F24H 9/142** (2013.01 - EP); **F25B 13/00** (2013.01 - EP); **F25D 17/02** (2013.01 - KR); **F24D 2200/12** (2013.01 - EP); **F25B 13/00** (2013.01 - KR); **F25B 30/02** (2013.01 - KR); **F25B 2313/004** (2013.01 - EP)

Citation (applicant)  
KR 20120062153 A 20120614 - LG ELECTRONICS INC [KR]

Citation (search report)  
• [IA] EP 3336453 A1 20180620 - MITSUBISHI ELECTRIC CORP [JP]  
• [Y] EP 3358272 A1 20180808 - DAIKIN IND LTD [JP]  
• [Y] EP 1906107 A1 20080402 - TOSHIBA CARRIER CORP [JP]  
• [A] EP 3101351 A1 20161207 - DAIKIN IND LTD [JP]  
• [AD] KR 20120062153 A 20120614 - LG ELECTRONICS INC [KR]

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4124801 A1 20230201**; KR 102638189 B1 20240216; KR 20230016466 A 20230202

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**EP 22186746 A 20220725**; KR 20210097991 A 20210726