

Title (en)

HEAT EXCHANGER, PARTICULARLY A INNER CONDENSER FOR HEAT PUMP HVAC SYSTEMS

Title (de)

WÄRMETAUSCHER, INSBESONDERE EIN INNENKONDENSATOR FÜR WÄRMEPUMPEN-KLIMA-SYSTEME

Title (fr)

ÉCHANGEUR DE CHALEUR, EN PARTICULIER CONDENSEUR INTÉRIEUR POUR SYSTÈMES CVC À POMPE À CHALEUR

Publication

EP 4033190 A3 20221019 (EN)

Application

EP 22152045 A 20220118

Priority

IT 202100000914 A 20210120

Abstract (en)

A heat exchanger comprises a first heat exchange row (10) and a second heat exchange row (20), and also comprises a fluid connection element (40; 40'; 40"; 40'''; 40''''') that connects a first row distributor (11) to a second row distributor (21). The fluid connection element is an element (40) which is fixedly connected to the lateral walls (11a, 21a) of the first row distributor (11) and of the second row distributor (21) and in which a plurality of conduits (41) is formed that fluidically connect the first row distributor (11) to the second row distributor (21), or is an element (40'; 40"; 40'''; 40''''') which is fixedly connected at the top to ends (11e, 21e) of the first row distributor (11) and of the second row distributor (21) and in which a conduit (41'; 41''') is formed that fluidically connects the first row distributor (11) to the second row distributor (21).

IPC 8 full level

F28D 1/02 (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)

F25B 39/04 (2013.01); **F28D 1/0435** (2013.01); **F28D 1/05391** (2013.01); **F28F 9/02** (2013.01); **F28F 9/268** (2013.01); **F28D 2021/0068** (2013.01); **F28D 2021/0084** (2013.01)

Citation (search report)

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- [IA] DE 102009031696 A1 20110105 - MODINE MFG CO [US]
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- [A] US 2020132378 A1 20200430 - DONG JUNQI [CN], et al
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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 4033190 A2 20220727; **EP 4033190 A3 20221019**; **EP 4033190 B1 20240417**; EP 4375609 A2 20240529; EP 4375609 A3 20240821; IT 202100000914 A1 20220720

DOCDB simple family (application)

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