

Title (en)  
HEAT EXCHANGER AND AIR CONDITIONER

Title (de)  
WÄRMETAUSCHER UND KLIMAAANLAGE

Title (fr)  
ÉCHANGEUR DE CHALEUR ET CLIMATISEUR

Publication  
**EP 3767188 A1 20210120 (EN)**

Application  
**EP 20185546 A 20200713**

Priority  
• JP 2019132375 A 20190718  
• JP 2019216246 A 20191129

Abstract (en)  
A heat exchanger comprises a heat transfer part that exchanges heat between an air-conditioning air and a heat exchanging medium, and a control device that adjusts a heat exchange amount between the air-conditioning air and the heat exchanging medium. The heat transfer part includes a flow dividing circuit configured to divide a heat transfer pipe group through which the heat exchanging medium flows into a plurality of groups and cause grouping ratios to be different from each other, and the control device is configured to increase or decrease a flow rate of the heat exchanging medium in a first group having a smaller grouping ratio among the plurality of groups in a case of a low air conditioning load.

IPC 8 full level  
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CPC (source: CN EP)  
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Citation (applicant)  
• JP 2001280859 A 20011010 - KIMURA KOHKI CO  
• JP 2011145045 A 20110728 - KIMURA KOHKI CO

Citation (search report)  
• [XAI] EP 2833082 A1 20150204 - MITSUBISHI ELECTRIC CORP [JP]  
• [AD] JP 2001280859 A 20011010 - KIMURA KOHKI CO  
• [AD] JP 2011145045 A 20110728 - KIMURA KOHKI CO  
• [A] JP 2007322024 A 20071213 - KIMURA KOHKI CO  
• [A] US 2016040896 A1 20160211 - HONG JIN WOO [KR], et al  
• [A] US 2016033179 A1 20160204 - KIM DONGHWI [KR], et al  
• [A] DE 10259572 A1 20040715 - DAIMLER CHRYSLER AG [DE]  
• [A] CN 105352344 A 20160224 - GUANGDONG MIDEA REFRIGERATION EQUIPMENT CO LTD, et al

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DOCDB simple family (application)  
**EP 20185546 A 20200713**; AU 2020205244 A 20200714; CN 202010557980 A 20200618; CN 202021134820 U 20200618