

Title (en)  
Heat exchange device

Title (de)  
Wärmetauschervorrichtung

Title (fr)  
Dispositif échangeur de chaleur

Publication  
**EP 2824411 A3 20150422 (EN)**

Application  
**EP 14175589 A 20140703**

Priority  
JP 2013144765 A 20130710

Abstract (en)  
[origin: EP2824411A2] The present invention provides a heat exchange device in which a first heat exchanger and a second heat exchanger are arranged in parallel along the air flow direction, and a side plate of the first heat exchanger is integrated with a tank communicating with tubes of the second heat exchanger through which a fluid flows.

IPC 8 full level  
**F28F 9/02** (2006.01); **F25B 39/04** (2006.01); **F28D 1/04** (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP)  
**F25B 39/04** (2013.01); **F28D 1/0435** (2013.01); **F28D 1/05366** (2013.01); **F28F 9/001** (2013.01); **F28F 9/02** (2013.01); **F25B 2339/04** (2013.01); **F28D 2021/0084** (2013.01); **F28D 2021/0094** (2013.01); **F28F 2009/0285** (2013.01)

Citation (search report)

- [A] KR 20130032002 A 20130401 - HALLA CLIMATE CONTROL CORP [KR]
- [A] US 2012222848 A1 20120906 - SICKS BRENNAN [US], et al
- [AD] JP H11223486 A 19990817 - ZEXEL CORP
- [A] EP 1519133 A2 20050330 - SANDEN CORP [JP]

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CN113124587A

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 2824411 A2 20150114; EP 2824411 A3 20150422**; CN 204077300 U 20150107; JP 2015017744 A 20150129; JP 6106546 B2 20170405

DOCDB simple family (application)  
**EP 14175589 A 20140703**; CN 201420375676 U 20140708; JP 2013144765 A 20130710