

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ÉCHANGEUR DE CHALEUR

Publication  
**EP 4023996 A1 20220706 (EN)**

Application  
**EP 20461610 A 20201229**

Priority  
EP 20461610 A 20201229

Abstract (en)  
A heat exchanger for heat exchange between a first fluid and a second fluid is provided. The heat exchanger includes a first manifold, a second manifold, heat exchange tubes and a fin section. The heat exchange tubes is axially extending and providing a fluidal communication between the first manifold and the second manifold for the first fluid. The second fluid flows between the heat exchange tubes. The fin section is in contact with the heat exchange tubes for facilitating heat exchange between the first fluid and the second fluid. The fin section includes a first louver section having louvers of first louver length and a second louver section having louvers of second louver length. The second louver section is arranged subsequently to the first louver section with respect to transverse direction of intended fluid flow direction. Further, the second louver length is different from the first louver length.

IPC 8 full level  
**F28F 3/02** (2006.01)

CPC (source: EP)  
**F28D 1/05366** (2013.01); **F28D 7/1684** (2013.01); **F28F 1/128** (2013.01); **F28F 1/40** (2013.01); **F28F 3/027** (2013.01); **F28D 2021/0082** (2013.01); **F28D 2021/0091** (2013.01); **F28F 2215/04** (2013.01); **F28F 2215/08** (2013.01)

Citation (search report)  
• [X] EP 2336701 A2 20110622 - DELPHI TECH INC [US]  
• [X] US 2009173478 A1 20090709 - BEAMER HENRY E [US], et al  
• [X] EP 2653819 A1 20131023 - DAIKIN IND LTD [JP]  
• [A] DE 112018001666 T5 20200130 - DENSO CORP [JP]  
• [A] US 2006157233 A1 20060720 - OZAKI TATSUO [JP], et al

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)  
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