

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ÉCHANGEUR DE CHALEUR

Publication  
**EP 3671089 A1 20200624 (EN)**

Application  
**EP 18215581 A 20181221**

Priority  
EP 18215581 A 20181221

Abstract (en)  
A heat exchanger (900) comprising at least one folded tube (901) formed of a single plate (902), the single plate (902) having a first end section (903) and a second end section (904), the tube (901) having at least one fluid channel (905), the tube (901) having a cross-section shape comprising: a front section (906) and a back section (907), the front section (906) and the back section (907) being arranged opposite each other, the front section (906) and the back section (907) being connected by a first longitudinal section (908) and a second longitudinal section (909), the front section (906), the back section (907), the first longitudinal section (908) and the second longitudinal (909) section define the at least one fluid channel (905), the back section (907) being formed by the first end section (903) and the second end section (904) contacting each other at least partially, the front section (906) having at least one reinforcement folding (910).

IPC 8 full level  
**F28D 1/03** (2006.01); **F28F 1/02** (2006.01)

CPC (source: EP)  
**F28D 1/0391** (2013.01); **F28F 1/022** (2013.01); **F28F 2225/04** (2013.01)

Citation (applicant)  
• FR 2690228 A1 19931022 - VALEO THERMIQUE MOTEUR SA [FR]  
• EP 1158260 B1 20100331 - ZEXEL VALEO CLIMATE CONTR CORP [JP]  
• US 2004206481 A1 20041021 - INABA HIROYUKI [JP]

Citation (search report)  
• [X] DE 102006035210 A1 20080131 - MODINE MFG CO [US]  
• [X] DE 102008033883 A1 20090416 - BEHR GMBH & CO KG [DE]  
• [A] US 6302195 B1 20011016 - KATAOKA TAKAYOSHI [JP]

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 3671089 A1 20200624**

DOCDB simple family (application)  
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