

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ECHANGEUR DE CHALEUR

Publication  
**EP 2901095 B2 20200527 (FR)**

Application  
**EP 13766336 A 20130925**

Priority  
• FR 1259163 A 20120928  
• EP 2013069924 W 20130925

Abstract (en)  
[origin: WO2014048962A1] The invention relates to a heat exchanger, in particular for a motor vehicle, including a bundle (3) for a heat exchange between a first and second fluid A, L and a housing (5) inside of which said bundle (3) is housed, said exchanger further including at least one collector (7) attached to said housing (5), said collector (7) being configured to guide said first fluid A between said bundle (3) and an inlet or outlet of said exchanger. According to the invention, said collector (7) is configured to form an abutment (9) for positioning the heat exchanger bundle (3) in the housing (5) for attaching said collector (7) to said housing (5).

IPC 8 full level  
**F28D 9/00** (2006.01)

CPC (source: EP US)  
**F28D 9/0043** (2013.01 - EP US); **F28F 3/08** (2013.01 - US); **F28F 9/12** (2013.01 - US); **F28D 2021/0082** (2013.01 - EP US); **F28F 2009/029** (2013.01 - US); **F28F 2280/04** (2013.01 - EP US)

Citation (opposition)  
Opponent :  
• EP 2450657 A1 20120509 - VALEO SYSTEMES THERMIQUES [FR]  
• FR 2968753 A1 20120615 - VALEO SYSTEMES THERMIQUES [FR]  
• WO 2009156365 A1 20091230 - VALEO SYSTEMES THERMIQUES [FR], et al  
• FR 2933179 A1 20100101 - VALEO SYSTEMES THERMIQUES [FR]  
• US 7077190 B2 20060718 - HAYASHI TAKAYUKI [JP], et al  
• US 8225852 B2 20120724 - WU ALAN K [CA], 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

DOCDB simple family (publication)  
**WO 2014048962 A1 20140403**; CN 104838223 A 20150812; CN 104838223 B 20170308; EP 2901095 A1 20150805; EP 2901095 B1 20160914; EP 2901095 B2 20200527; ES 2612275 T3 20170516; FR 2996298 A1 20140404; FR 2996298 B1 20141024; KR 101704945 B1 20170208; KR 20150060905 A 20150603; PL 2901095 T3 20170731; US 10323886 B2 20190618; US 2015241143 A1 20150827

DOCDB simple family (application)  
**EP 2013069924 W 20130925**; CN 201380058286 A 20130925; EP 13766336 A 20130925; ES 13766336 T 20130925; FR 1259163 A 20120928; KR 20157010679 A 20130925; PL 13766336 T 20130925; US 201314431660 A 20130925