

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ÉCHANGEUR DE CHALEUR

Publication  
**EP 2513586 A1 20121024 (FR)**

Application  
**EP 10787108 A 20101202**

Priority  
• FR 0906150 A 20091218  
• EP 2010068769 W 20101202

Abstract (en)  
[origin: WO2011073038A1] The invention relates to a heat exchanger comprising fluid exchange and flow elements (2, 2', 3), at least one fluid-collecting box (11, 11') into which exchange elements (2, 2', 3) lead, and a casing (4) for housing the exchange elements (2, 2', 3). The exchanger is characterized in that it comprises a flange (5) for attaching the collecting box (11, 11') to the casing (4), the flange comprising a groove (G1) for attaching the casing (4) and a groove (G2) for attaching the collecting box (11), the grooves (G1, G2) comprising a common wall (19). Owing to the invention, a highly compact heat exchanger is produced.

IPC 8 full level  
**F28D 7/16** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)  
**F28D 7/1653** (2013.01 - US); **F28D 7/1684** (2013.01 - EP US); **F28F 9/0219** (2013.01 - EP US); **F28F 9/0226** (2013.01 - EP US); **F28D 21/0003** (2013.01 - EP US); **F28F 2275/04** (2013.01 - EP US); **F28F 2275/122** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011073038A1

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 2011073038 A1 20110623**; CN 102782435 A 20121114; CN 102782435 B 20141210; EP 2513586 A1 20121024; EP 2513586 B1 20150107; FR 2954481 A1 20110624; FR 2954481 B1 20120203; JP 2013514514 A 20130425; JP 5856068 B2 20160209; PL 2513586 T3 20150529; US 2013146267 A1 20130613; US 9488417 B2 20161108

DOCDB simple family (application)  
**EP 2010068769 W 20101202**; CN 201080064340 A 20101202; EP 10787108 A 20101202; FR 0906150 A 20091218; JP 2012543591 A 20101202; PL 10787108 T 20101202; US 201013516787 A 20101202