

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ÉCHANGEUR THERMIQUE

Publication  
**EP 3247959 A1 20171129 (EN)**

Application  
**EP 15872028 A 20151221**

Priority  
• FI 20146129 A 20141222  
• FI 2015050924 W 20151221

Abstract (en)  
[origin: WO2016102772A1] A heat exchanger unit (3) and a heat exchanger (1) comprising primary flow channels (4) for primary fluid flow (FP) and secondary flow channels (5) for secondary fluid flow (FS). At least one secondary flow channel (5) comprises a number of adjacent secondary flow channel portions (5'). Each secondary flow channel portion (5') has an inlet end and an outlet end for the secondary fluid flow (FS). The secondary flow channel portions (5') of the secondary flow channel (5) are interconnected by the inlet ends (11) and the outlet ends (12) so as to provide a number of consecutive secondary flow channel portions (5') in a flow direction of the secondary fluid flow (FS).

IPC 8 full level  
**F28D 7/08** (2006.01); **F28D 1/03** (2006.01); **F28D 7/16** (2006.01)

CPC (source: EP FI)  
**F28D 1/0375** (2013.01 - FI); **F28D 7/0025** (2013.01 - EP); **F28D 7/08** (2013.01 - EP); **F28D 7/085** (2013.01 - FI); **F28D 7/087** (2013.01 - EP); **F28D 7/1653** (2013.01 - FI); **F28F 7/02** (2013.01 - EP); **F28F 21/082** (2013.01 - EP); **F28F 2250/106** (2013.01 - EP)

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)  
**WO 2016102772 A1 20160630**; EP 3247959 A1 20171129; EP 3247959 A4 20181024; FI 20146129 A 20160623

DOCDB simple family (application)  
**FI 2015050924 W 20151221**; EP 15872028 A 20151221; FI 20146129 A 20141222