

Title (en)  
HIGH-PRESSURE PLATE HEAT EXCHANGER

Title (de)  
HOCHDRUCKPLATTENWÄRMETAUSCHER

Title (fr)  
ÉCHANGEUR DE CHALEUR À PLAQUES À HAUTE PRESSION

Publication  
**EP 3044531 A1 20160720 (DE)**

Application  
**EP 14761863 A 20140910**

Priority  
• EP 13183684 A 20130910  
• EP 2014069267 W 20140910  
• EP 14761863 A 20140910

Abstract (en)  
[origin: WO2015036423A1] The invention relates to a high-pressure plate heat exchanger having a polygonal plate packet (4) that is arranged in a pressure chamber (3) created by a housing (2), the housing (2) having convexly curved flange covers (8, 9). Said heat exchanger is characterized in that at least one of the flange covers (8, 9) has a polygonal opening for receiving the plate packet (4).

IPC 8 full level  
**F28F 3/04** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP RU US)  
**F28D 9/0006** (2013.01 - EP US); **F28D 9/0037** (2013.01 - EP US); **F28F 3/046** (2013.01 - EP US); **F28F 3/08** (2013.01 - RU);  
**F28F 9/0075** (2013.01 - RU); **F28F 2250/106** (2013.01 - EP US)

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 2846121 A1 20150311**; **EP 2846121 B1 20171227**; EP 3044531 A1 20160720; EP 3044531 B1 20200909; KR 20160055158 A 20160517;  
RU 2016110584 A 20170928; RU 2016110584 A3 20180307; RU 2654293 C2 20180517; US 10228191 B2 20190312;  
US 2016223266 A1 20160804; WO 2015036423 A1 20150319

DOCDB simple family (application)  
**EP 13183684 A 20130910**; EP 14761863 A 20140910; EP 2014069267 W 20140910; KR 20167007275 A 20140910;  
RU 2016110584 A 20140910; US 201414916336 A 20140910