

Title (en)  
Housing for a roller piston pump

Title (de)  
Gehäuse für eine Wälzkolbenpumpe

Title (fr)  
Boîtier pour une pompe à lobes

Publication  
**EP 2873866 B1 20180228 (DE)**

Application  
**EP 14189143 A 20141016**

Priority  
DE 102013112704 A 20131118

Abstract (en)  
[origin: US2015139845A1] A housing for a rotary vane pump includes a suction flange and a discharge flange having a multi-angular cross-section with at least two sides extending parallel to each other, cooling ribs provided on an outer surface of the housing, with the number of cooling ribs in the region with a high internal pressure being greater than a number of cooling ribs in the region with a low internal pressure, inlet and outlet, with the inlet cross-section being greater than the outlet cross-section, and connection elements provided on the housing and each having two installation surfaces connected by a connection surface.

IPC 8 full level  
**F01C 21/10** (2006.01); **F04C 2/344** (2006.01); **F04C 15/00** (2006.01); **F04C 18/12** (2006.01); **F04C 18/344** (2006.01); **F04C 29/04** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP US)  
**F01C 21/10** (2013.01 - US); **F04C 2/344** (2013.01 - US); **F04C 15/0096** (2013.01 - US); **F04C 18/126** (2013.01 - EP US); **F04C 18/344** (2013.01 - US); **F04C 29/04** (2013.01 - EP US); **F04C 29/12** (2013.01 - EP US); **F04C 2240/30** (2013.01 - EP US); **F04C 2250/101** (2013.01 - EP US); **F04C 2250/102** (2013.01 - EP US)

Citation (examination)  
US 6203297 B1 20010320 - PATEL AJITKUMAR G [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

DOCDB simple family (publication)  
**EP 2873866 A1 20150520**; **EP 2873866 B1 20180228**; DE 102013112704 A1 20150521; DE 102013112704 B4 20220113; US 2015139845 A1 20150521; US 9745978 B2 20170829

DOCDB simple family (application)  
**EP 14189143 A 20141016**; DE 102013112704 A 20131118; US 201414538107 A 20141111