

Title (en)  
CARTRIDGE VANE PUMP

Title (de)  
FLÜGELZELLENPUMPE MIT PATRONE

Title (fr)  
POMPE À PALETTES À CARTOUCHE

Publication  
**EP 3327288 A1 20180530 (EN)**

Application  
**EP 16846355 A 20160908**

Priority  
• JP 2015185584 A 20150918  
• JP 2016076378 W 20160908

Abstract (en)  
A cartridge vane pump (100) includes: a body-side side plate (20) that is brought into contact with end surfaces of a rotor (2) and a cam ring (4); first and second discharge ports (7a) and (7b) that are formed in the body-side side plate (20); and an adapter (40) that is formed with first and second connection channels (41a) and (41b) for connecting the first and second discharge ports (7a) and (7b) formed in the body-side side plate (20) and first and second discharge channels (93a) and (93b) formed in a body (90).

IPC 8 full level  
**F04C 2/344** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)  
**F01C 21/108** (2013.01 - EP); **F04C 2/344** (2013.01 - US); **F04C 2/3446** (2013.01 - EP US); **F04C 15/00** (2013.01 - US); **F04C 15/0026** (2013.01 - EP); **F04C 15/06** (2013.01 - EP US); **F04C 15/0023** (2013.01 - US); **F04C 2230/22** (2013.01 - EP); **F04C 2240/10** (2013.01 - US); **F04C 2240/20** (2013.01 - US); **F04C 2240/805** (2013.01 - EP); **F04C 2250/102** (2013.01 - US); **F05B 2250/502** (2013.01 - EP US); **F05B 2280/1021** (2013.01 - EP US); **F05C 2201/903** (2013.01 - EP)

Citation (search report)  
See references of WO 2017047484A1

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 3327288 A1 20180530**; CN 107949702 A 20180420; JP 2017057833 A 20170323; MX 2018003386 A 20180606; US 2018252212 A1 20180906; WO 2017047484 A1 20170323

DOCDB simple family (application)  
**EP 16846355 A 20160908**; CN 201680049898 A 20160908; JP 2015185584 A 20150918; JP 2016076378 W 20160908; MX 2018003386 A 20160908; US 201615758161 A 20160908