

Title (en)
VANE CELL PUMP

Title (de)
FLÜGELZELLENPUMPE

Title (fr)
POMPE À PALETTES

Publication
EP 2561230 A2 20130227 (DE)

Application
EP 11715512 A 20110418

Priority
• DE 102010028061 A 20100422
• EP 2011056085 W 20110418

Abstract (en)
[origin: WO2011131598A2] The invention relates to a vane cell pump (1) having a pump housing (26) and a rotor (10), which is arranged in a hollow space (27) of the pump housing (26) along an axis of rotation (21), wherein the pump housing (26) comprises a first end face (30), against which a second end face (31) of the rotor (10) is arranged in opposition, wherein an apparatus (24, 25) is arranged on the first end face (30) of the pump housing (26) and/or on the second end face (31) of the rotor (10), the apparatus (24, 25) building up a pressure between the first end face (30) of the pump housing (26) and the second end face (31) of the rotor (10) as a result of rotation of the rotor (10) about the axis of rotation (21).

IPC 8 full level
F04C 2/344 (2006.01)

CPC (source: EP)
F01C 19/005 (2013.01); **F01C 21/08** (2013.01); **F04C 2/3442** (2013.01); **F04C 15/0023** (2013.01); **F04C 2240/20** (2013.01); **F04C 2240/54** (2013.01); **F04C 2250/20** (2013.01); **F04C 2270/17** (2013.01)

Citation (search report)
See references of WO 2011131598A2

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)
DE 102010028061 A1 20111027; CN 103038452 A 20130410; EP 2561230 A2 20130227; WO 2011131598 A2 20111027; WO 2011131598 A3 20130131

DOCDB simple family (application)
DE 102010028061 A 20100422; CN 201180019984 A 20110418; EP 11715512 A 20110418; EP 2011056085 W 20110418