

Title (en)
PUMP, PARTICULARLY VANE PUMP

Title (de)
PUMPE, INSBESONDERE FLÜGELZELLENPUMPE

Title (fr)
POMPE, EN PARTICULIER POMPE À PALETTES

Publication
EP 2257693 A1 20101208 (DE)

Application
EP 09729170 A 20090312

Priority
• EP 2009001758 W 20090312
• DE 102008018453 A 20080404

Abstract (en)
[origin: WO2009121471A1] The invention relates to a pump, particularly a vane pump, having a rotor comprising radial vane slots, which are provided for guiding vanes that can be extended from the vane slots radially to the outside in the direction of a stroke contour in order to effect suction in at least one suction region, and in order to effect pressurization of a working medium in at least one pressure region, which is connected to a pressure outlet, and further having a plurality of bottom vane supply regions. The invention is characterized in that a start bottom vane supply section having a start bottom extension section has a self-contained volume as long as the vane is, or the vanes are, not yet extended in the start bottom vane extension section.

IPC 8 full level
F01C 21/08 (2006.01); **F04C 2/344** (2006.01); **F04C 14/06** (2006.01)

CPC (source: EP)
F01C 21/0863 (2013.01); **F04C 2/3446** (2013.01); **F04C 14/06** (2013.01); **F04C 2240/20** (2013.01)

Citation (search report)
See references of WO 2009121471A1

Cited by
WO2016193043A1; US11215177B2

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009121471 A1 20091008; DE 112009000552 A5 20110407; EP 2257693 A1 20101208; EP 2257693 B1 20151021

DOCDB simple family (application)
EP 2009001758 W 20090312; DE 112009000552 T 20090312; EP 09729170 A 20090312