

Title (en)
Rotary pump with venting arrangement

Title (de)
Kreiselpumpe mit Entlüftung

Title (fr)
Pompe centrifuge dotée d'une déaération

Publication
EP 2072823 A3 20140625 (DE)

Application
EP 08021509 A 20081211

Priority
DE 102007061558 A 20071218

Abstract (en)
[origin: EP2072823A2] The pump has a cylindrical separation chamber arranged in front of a pump chamber in a flow direction, where fluid to be conveyed flows through the separation chamber. The separation chamber is cylindrically formed in a perpendicular axis. A fluid inlet has a conductive surface and/or a tangential arrangement for forming a fluid cyclone in the separation chamber, where the conductive surface guides the fluid. The separation chamber has an upper central venting opening. The venting opening is surrounded by a pipe, and the separation chamber is connected with the pump chamber by a channel (5).

IPC 8 full level
F04D 9/00 (2006.01)

CPC (source: EP)
F04D 9/003 (2013.01)

Citation (search report)

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- [Y] US 3323465 A 19670606 - STILLEBROER CORNELIS R
- [A] GB 2085526 A 19820428 - SALA INTERNATIONAL AB
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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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2072823 A2 20090624; EP 2072823 A3 20140625; EP 2072823 B1 20180808; DE 102007061558 A1 20090625

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EP 08021509 A 20081211; DE 102007061558 A 20071218