

Title (en)
Pump rotor

Title (de)
Pumpenrotor

Title (fr)
Rotor d'une pompe

Publication
EP 2333236 A1 20110615 (EN)

Application
EP 10191138 A 20101115

Priority
IT BO20090766 A 20091125

Abstract (en)
A volumetric pump rotor comprising a central casing (7) equipped with a peripheral edge (8) and a hollow seat (16) for engaging a respective rotary shaft, at least two elastically deformable vanes (10a,10b,10c,10d,10e,10f) connectable to the central casing (7) in such a way as to protrude from the peripheral edge (8) in order to transfer a fluid into a volumetric pump, each vane comprises a core (15) made of a metallic material and a cover layer (14) for at least partly covering the core (15) at least at the latter's distal end.

IPC 8 full level
F01C 5/02 (2006.01); **F01C 21/08** (2006.01); **F04C 2/44** (2006.01); **F04C 5/00** (2006.01)

CPC (source: EP)
F01C 21/0881 (2013.01); **F04C 2/44** (2013.01); **F04C 5/00** (2013.01); **F04C 2230/91** (2013.01); **F04C 2240/20** (2013.01); **F05C 2225/02** (2013.01)

Citation (search report)
• [X] GB 786999 A 19571127 - JABSCO PUMP CO
• [XA] GB 249587 A 19260329 - ERNEST FEUERHEERD, et al
• [XA] JP H11324940 A 19991126 - WORLD CHEM KK
• [XA] US 2203974 A 19400611 - WEINHARDT ROBERT A
• [A] US 4702205 A 19871027 - DAVID CONSTANT V [US]
• [A] US 5163825 A 19921117 - OETTING ROY E [US]
• [A] DE 7837159 U1 19800522
• [A] EP 1788249 A2 20070523 - MANZINI ROBERTO [IT]

Cited by
CN109804163A; US11885326B2; US11053937B2

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 2333236 A1 20110615; IT BO20090766 A1 20110526

DOCDB simple family (application)
EP 10191138 A 20101115; IT BO20090766 A 20091125