

Title (en)
Progressive cavity pump

Title (de)
Exzentrerschneckenpumpe

Title (fr)
Pompe à cavités progressives et dispositif de pompage associé

Publication
EP 2278164 A3 20170517 (FR)

Application
EP 10169896 A 20100716

Priority
FR 0955175 A 20090723

Abstract (en)
[origin: EP2278164A2] The pump (2) has a stator (8) comprising an inlet end (21) for coupling to a fluid-receiving casing (20). An anchor element (36) comprises legs and clamping arms. The legs are supported on and fastened to a stationary plane support (38). The clamping arms clamp the inlet end of the stator. The inlet end and the clamping arms include locking units for locking, in rotation, the inlet end and the clamping arms. The locking units have stator relief portions co-operating with two anchor relief portions. An independent claim is also included for a pump device comprising a drive shaft.

IPC 8 full level
F04C 2/107 (2006.01)

CPC (source: EP US)
F04C 2/1075 (2013.01 - EP US)

Citation (search report)

- [IA] DE 20013030 U1 20001207 - ARTEMIS KAUTSCHUK KUNSTSTOFF [DE]
- [A] JP 2000356192 A 20001226 - TOKI KOGYO KK
- [A] US 5474432 A 19951212 - HULLEY STEPHEN P [GB], et al
- [A] US 4221036 A 19800909 - MCCOY DARL M, et al

Cited by
EP3882462A1; FR3108345A1

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2278164 A2 20110126; EP 2278164 A3 20170517; CN 101985941 A 20110316; FR 2948424 A1 20110128; FR 2948424 B1 20170721; JP 2011027108 A 20110210; US 2011020160 A1 20110127

DOCDB simple family (application)
EP 10169896 A 20100716; CN 201010241070 A 20100723; FR 0955175 A 20090723; JP 2010165370 A 20100722; US 83881710 A 20100719