

Title (en)
Submersible centrifugal pump

Title (de)
Zentrifugaltauchpumpe

Title (fr)
Pompe centrifuge submersible

Publication
EP 1729013 A1 20061206 (EN)

Application
EP 05425396 A 20050531

Priority
EP 05425396 A 20050531

Abstract (en)
A submersible centrifugal pump 1 comprises a containment jacket 2, an intake body 5 and a delivery body 4 welded to the jacket 2 containing the hydraulic stages 10, each consisting of an impeller 11 and a diffuser 12. The stages 10 are compacted in the jacket between the delivery body 4 and the intake body 5 by clamping means which comprise at least one screw 29 or one tie rod. There is also an easily removable non-return valve 22 located in the delivery body 4.

IPC 8 full level
F04D 29/62 (2006.01); **F04D 13/08** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP)
F04D 13/10 (2013.01); **F04D 29/628** (2013.01); **F04D 29/708** (2013.01)

Citation (search report)
• [XYA] EP 0267445 A2 19880518 - MARELLI COMPONENT ELETTEMECC [IT]
• [XA] EP 0774584 A1 19970521 - FLYGT AB ITT [SE]
• [X] US 4523899 A 19850618 - OUCHI KIYOSHI [JP]
• [AY] US 3521970 A 19700728 - DETERS ELMER M

Cited by
CN106194775A; ITMI20090615A1; RU187962U1; CN110374929A; WO2018114660A1; WO2010118786A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
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