

Title (en)

Mixed flow centrifugal volute pump for swimming pools

Title (de)

Halbaxiale Kreiselspiralpumpe für Schwimmbecken

Title (fr)

Pompe à volute centrifugeuse à flux mixte pour piscines

Publication

EP 2088326 A3 20140521 (EN)

Application

EP 09380008 A 20090126

Priority

ES 200800221 U 20080205

Abstract (en)

[origin: EP2088326A2] The mixed flow volute pump presents the particular feature of its casing comprising two independent parts (1) and (2) obtained by means of plastic injection molding, preferably of polypropylene, said parts (1) and (2) being joined together by means of screws (4). The materialization of the pump casing in plastic provides advantages such as lower manufacturing costs and less weight compared to conventional pump casings made of cast iron. The two parts (1) and (2) have a special shape such that the corresponding Archimedes volute (3) to be found in conventional pump casings of the same type is defined between them both. Established in the said parts (1) and (2) are flanges (5) for joining them together, along with a flange (6) for fixing to the respective motor, and a flange (7) for coupling to the discharge nozzle for the flow, establishing the closure of the volute (3).

IPC 8 full level

F04D 29/02 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)

F04D 29/026 (2013.01); **F04D 29/426** (2013.01); **F05D 2230/20** (2013.01); **F05D 2230/64** (2013.01); **F05D 2300/43** (2013.01)

Citation (search report)

- [I] DE 4444968 A1 19960620 - KLEIN SCHANZLIN & BECKER AG [DE]
- [I] US 3304875 A 19670221 - COPELAND WAYNE E
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- [I] US 3630645 A 19711228 - EHEIM GUNTHER
- [I] US 3826589 A 19740730 - FRANK R, et al

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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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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