

Title (en)  
Mixed flow centrifugal pump for swimming pools

Title (de)  
Halbaxiale Kreiselpumpe für Schwimmbecken

Title (fr)  
Pompe centrifuge à flux mixte pour piscines

Publication  
**EP 2455616 A3 20170823 (EN)**

Application  
**EP 11380090 A 20111108**

Priority  
ES 201031178 U 20101123

Abstract (en)  
[origin: EP2455616A2] The present invention relates to a mixed flow centrifugal pump for swimming pools, being of the type made of injected plastic materials, while having a hydraulic body formed by a first part and a second part independent from each other, between which a complete logarithmic volute is defined, the pump also having a fluid inlet suction mouth located on the first part and a discharge mouth as an outlet for that same fluid; characterized in that it comprises an independent flange (9) as a means for fastening an anchor bracket (10) of a motor associated with the pump, said independent flange (9) being fastened at the front on the second part (2) of the hydraulic body (3) of the pump.

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 2300/43** (2013.01)

Citation (search report)

- [I] US 4408952 A 19831011 - SCHWEINFURTER FRIEDRICH [DE]
- [A] EP 2088326 A2 20090812 - BOMBAS PSH S A [ES]
- [A] EP 1887126 A1 20080213 - ELECTROLUX HOME PROD CORP [BE]
- [A] DE 4200507 A1 19930715 - KULTSCHER ARMIN HENRY [DE]

Cited by  
ITUB20153948A1; EP2706236A3; EP2706239A3; CN111148904A; US10859086B2; WO2014060612A1

Designated contracting state (EPC)  
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