

Title (en)  
Centrifugal pump

Title (de)  
Kreispumpe

Title (fr)  
Pompe centrifuge

Publication  
**EP 2535591 B1 20140423 (DE)**

Application  
**EP 11004859 A 20110615**

Priority  
EP 11004859 A 20110615

Abstract (en)  
[origin: EP2535591A1] The pump has a fixed seal ring (16) sealingly connected with an impeller (12), and resting against a wall (18) of a housing that surrounds the impeller. The sealing ring surrounds an inlet opening (20) in the wall and is fixed in a radial direction by two projections formed on the wall. The projections are engaged with recesses (26) that are formed at an outer peripheral part of the seal ring. The projections are designed as threaded pins or threaded sleeves (22), and the recesses are formed parallel to a central axis (X) of the seal ring.

IPC 8 full level  
**F04D 29/16** (2006.01)

CPC (source: EP)  
**F04D 29/167** (2013.01)

Citation (examination)  
• DE 3438480 A1 19850509 - JACUZZI EUROP [IT]  
• EP 0039435 A1 19811111 - JACUZZI INC [US]

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

DOCDB simple family (publication)  
**EP 2535591 A1 20121219; EP 2535591 B1 20140423**

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