

Title (en)  
Centrifugal pump

Title (de)  
Kreispumpe

Title (fr)  
Pompe centrifuge

Publication  
**EP 1918591 A3 20100120 (DE)**

Application  
**EP 07018893 A 20070926**

Priority  
DE 102006051012 A 20061026

Abstract (en)  
[origin: EP1918591A2] The pump (1) has an impeller (4) formed to be axial or semi-axial, and an inlet nozzle (5) arranged in a flow direction (SR) of the pump before the impeller. Another inlet nozzle (6) is arranged concentric to the nozzle (5), where the two nozzles are arranged one behind the other in the flow direction such that an annular gap (11) is formed between the nozzles. The gap is arranged directly in front of an impeller intake (12) in the flow direction. An inlet channel (13) formed from one of the nozzles is connected with a fluid volume (14) that is partially surrounded by the nozzles.

IPC 8 full level  
**F04D 3/00** (2006.01); **F04D 29/54** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP)  
**F04D 3/00** (2013.01); **F04D 29/548** (2013.01); **F04D 29/688** (2013.01)

Citation (search report)

- [X] WO 2005059368 A1 20050630 - BOEING CO [US], et al
- [X] DE 3724299 A1 19880421 - ROCKWELL INTERNATIONAL CORP [US]
- [X] DE 3524297 A1 19870115 - SULZER AG [CH]
- [X] WO 2005070147 A2 20050804 - CONCEPTS ETI INC [US], et al
- [X] JP S57124099 A 19820802 - EBARA MFG

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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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