

Title (en)
Centrifugal pump

Title (de)
Kreiselpumpe

Title (fr)
Pompe centrifuge

Publication
EP 0733808 A1 19960925 (DE)

Application
EP 96102054 A 19960213

Priority
DE 19510812 A 19950324

Abstract (en)
The pump has one or more running wheels in its casing and flow guide parts in the region of the through-flow apertures. These parts are in the form of wall projections (6), encompassing two surfaces (A,B) running in the flow direction and merging with the circumferential surface of a through flow aperture (5). The two surfaces (A,B) enclose an angle which is such that the side lines (a,b) of the two surfaces are in a ratio of a/b not more than (1). The side lines, in connection with a part of the circumference of the through-flow aperture, enclose another wall surface (C).

Abstract (de)
Die Erfindung betrifft eine Kreiselpumpe, bei der im Saugstutzen im Bereich vor einem Laufrad in der Wandfläche einer Durchflußöffnung Wandvorsprünge angeordnet sind, mit denen das Kennlinien-, Kavitations- und Geräuschverhalten im Teillastbereich verbessert wird. <IMAGE>

IPC 1-7
F04D 29/42; **F04D 29/44**

IPC 8 full level
F04D 29/42 (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP)
F04D 29/4273 (2013.01); **F04D 29/445** (2013.01); **F04D 29/448** (2013.01); **F05B 2240/121** (2013.01); **F05D 2250/51** (2013.01)

Citation (search report)
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• [A] US 4073595 A 19780214 - SCHIELE OTTO, et al

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