

Title (en)  
Side channel pump

Title (de)  
Seitenkanalpumpe

Title (fr)  
Pompe à canal latéral

Publication  
**EP 1331400 B1 20060329 (DE)**

Application  
**EP 03001089 A 20030120**

Priority  
DE 10202366 A 20020123

Abstract (en)  
[origin: EP1331400A2] Side channel pump comprises two parallel pump channels (24a, 24b), and a pump wheel (12) having two parallel half-channels (28a, 28b) separated from each other by a channel separating wall (34). The half-channels each have pump chambers (32a, 32b) arranged behind each other in the peripheral direction. The pump chambers are connected together by pressure equalization openings (36) and are formed by paddle walls (30) lying at an angle of 10degrees to the one side. Preferred Features: The opening width of the pressure equalization openings is less than 2/5 of the channel separating wall width. The ratio of the surface of the channel separating wall to the surface of the pressure equalization openings is less than 0.3.

IPC 8 full level  
**F04D 29/18** (2006.01)

CPC (source: EP)  
**F04D 29/188** (2013.01)

Designated contracting state (EPC)  
DE ES FR IT

DOCDB simple family (publication)  
**EP 1331400 A2 20030730; EP 1331400 A3 20040107; EP 1331400 B1 20060329**; DE 10202366 A1 20030807; DE 50302776 D1 20060518; ES 2256597 T3 20060716

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