

Title (en)
Vane pump

Title (de)
Flügelzellenpumpe

Title (fr)
Pompe à palettes

Publication
EP 0763659 A2 19970319 (DE)

Application
EP 96113888 A 19960830

Priority
DE 19534117 A 19950914

Abstract (en)
The pump supplies a fluid to a consumer. Pressurized fluid returned by the consumer is used to charge the suction area (29). The returned fluid can be fed into a pressure chamber (33). This may have an outlet (35,35a,35b), opening to the suction area of the pump (1), which is smaller than that of the channel supplying the fluid. The suction chamber is in fluid connection with a suction connection (27), to take the fluid from a tank. The profile of the suction chamber may be larger than that of the outlet. The outlet opens directly into the suction connection.

Abstract (de)
Es wird eine Pumpe, nämlich Rollenzellenpumpe oder Flügelzellenpumpe zur Versorgung eines Verbrauchers mit einem Fluid vorgeschlagen, die sich dadurch auszeichnet, daß zur Aufladung des Saugbereiches (29) vom Verbraucher zurückgeführtes, unter Druck stehendes Fluid verwendet wird. <IMAGE>

IPC 1-7
F04C 2/344; **F04C 15/02**

IPC 8 full level
F04C 29/06 (2006.01); **F04C 2/344** (2006.01); **F04C 15/06** (2006.01); **F04C 18/344** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)
F04C 15/062 (2013.01)

Cited by
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Designated contracting state (EPC)
DE FR GB IT

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EP 0763659 A2 19970319; **EP 0763659 A3 19980429**; **EP 0763659 B1 20021218**; DE 59609992 D1 20030130; JP 4044980 B2 20080206; JP H09112459 A 19970502

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EP 96113888 A 19960830; DE 59609992 T 19960830; JP 23925896 A 19960910