

Title (en)  
Vane pump

Title (de)  
Flügelzellenpumpe

Title (fr)  
Pompe à palettes

Publication  
**EP 0763659 A3 19980429 (DE)**

Application  
**EP 96113888 A 19960830**

Priority  
DE 19534117 A 19950914

Abstract (en)  
[origin: EP0763659A2] 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.

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)

Citation (search report)

- [X] US 2983226 A 19610509 - LIVERMORE WILLIAM T
- [A] DE 4138516 A1 19930527 - LUK FAHRZEUG HYDRAULIK [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 005, no. 147 (M - 088) 17 September 1981 (1981-09-17)
- [X] PATENT ABSTRACTS OF JAPAN vol. 005, no. 033 (M - 057) 28 February 1981 (1981-02-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 248 (M - 1261) 5 June 1992 (1992-06-05)

Cited by  
CN110546384A; DE102012100702A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0763659 A2 19970319**; **EP 0763659 A3 19980429**; **EP 0763659 B1 20021218**; DE 59609992 D1 20030130; JP 4044980 B2 20080206; JP H09112459 A 19970502

DOCDB simple family (application)  
**EP 96113888 A 19960830**; DE 59609992 T 19960830; JP 23925896 A 19960910