

Title (en)

Fluidic pump making use of hydrodynamic supply and charging

Title (de)

Flüssigmedienpumpe nach hydrodynamischem Medienzuleit-Förderprinzip

Title (fr)

Pompe fluide avec alimentation et charge hydrodynamique

Publication

**EP 0861980 A3 19990901 (DE)**

Application

**EP 98103556 A 19980228**

Priority

- DE 19708418 A 19970314
- DE 19748630 A 19971104

Abstract (en)

[origin: EP0861980A2] The pump has a feed and simultaneous conveyor conduit (5), a hydrodynamic fluid media flow control unit (6) for control of the fluid medium in the required direction during the pump phases of "suction" and "delivery". A conveyor conduit (7) is provided to the fluid media forward flow point. A fluid medium feed container (8) ensures that the fluid level to be maintained in it causes the funnel connection of the fluid media flow control unit (6) remains hermetically closed. A combination device can be used for handling solid matter by means of fluid media using the hydrodynamic pump, avoiding the employment of cut-offs and other valves and taps affecting the fluid media flow.

IPC 1-7

**F04B 1/00**

IPC 8 full level

**F04B 1/00** (2006.01); **F04F 1/10** (2006.01); **F04F 1/14** (2006.01)

CPC (source: EP)

**F04F 1/10** (2013.01); **F04F 1/14** (2013.01)

Citation (search report)

- [Y] GB 2232443 A 19901212 - HANFORD ENG LTD [GB]
- [Y] GB 1387223 A 19750312 - BAYER AG
- [A] DE 4126384 A1 19930603 - BOJAN VASILE ADRIAN [DE]
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- [A] FR 2196092 A5 19740308 - EVERHARD HENDRIK [BE]

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DE102018003356A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0861980 A2 19980902; EP 0861980 A3 19990901; EP 0861980 B1 20040804**; AT E272794 T1 20040815; DE 59811725 D1 20040909

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