

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]
- [A] US 5074758 A 19911224 - MCINTYRE GLOVER C [CA]
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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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