

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 B1 20040804 (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)

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Designated contracting state (EPC)

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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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