

Title (en)

Feeding device with dosing pumps

Title (de)

Fördereinrichtung mit Dosierpumpen

Title (fr)

Dispositif de transfert à pompes doseuse

Publication

EP 0870924 A3 19991208 (DE)

Application

EP 98103870 A 19980305

Priority

DE 29706074 U 19970407

Abstract (en)

[origin: EP0870924A2] The dosing pump (5) is used to extract materials, which especially have two components, from containers (1,2), and can be driven by a pneumatic motor (24). It has a piston (11) which is moved to and fro in a cylinder (9) by a connecting rod (12,13). Each end of the pump cylinder is connected to a suction pipe (3,4) and a discharge pipe (20,21). Each pipe has a check valve (15-18), and each valve works in the same direction of flow. The suction pipes are connected to one another upstream of their valves, and the discharge pipes are connected together downstream from their valves. The drive piston (29) of the motor is arranged in the axial extension of the connecting rod.

IPC 1-7

F04B 9/133

IPC 8 full level

F04B 9/131 (2006.01); **F04B 9/133** (2006.01); **F04B 13/00** (2006.01); **F04B 13/02** (2006.01); **B05B 7/24** (2006.01)

CPC (source: EP KR)

F04B 9/133 (2013.01 - EP); **F04B 13/02** (2013.01 - EP); **F04B 17/03** (2013.01 - KR); **F04B 53/10** (2013.01 - KR); **F04B 53/144** (2013.01 - KR); **F04B 53/162** (2013.01 - KR); **B05B 7/24** (2013.01 - EP); **F05B 2210/11** (2013.01 - KR); **Y10S 417/00** (2013.01 - KR)

Citation (search report)

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- [Y] US 3776667 A 19731204 - BERGLUND H, et al
- [A] FR 2595121 A1 19870904 - BERAUD JEAN LOUIS [FR]

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CN105715593A

Designated contracting state (EPC)

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DE 29706074 U1 19970731; EP 0870924 A2 19981014; EP 0870924 A3 19991208; JP H10281057 A 19981020; KR 19980081078 A 19981125

DOCDB simple family (application)

DE 29706074 U 19970407; EP 98103870 A 19980305; JP 9327198 A 19980406; KR 19980011877 A 19980403