

Title (en)
PUMP FOR VISCOUS MATERIAL

Publication
EP 0315750 B1 19910710 (DE)

Application
EP 88114734 A 19880909

Priority
DE 3738359 A 19871112

Abstract (en)
[origin: EP0315750A1] The pump for viscous material comprises two alternately working displacement cylinders 22', 22" opening out via end face apertures into a material feeding vessel 10, a pipe switch gate 12, which is arranged inside the material feeding vessel 10, being alternately connectable on the inlet side to the apertures of the displacement cylinder and freeing the respective other aperture, and on the outlet side connected to a delivery line 40, together with a shut-off device 32 arranged behind the pipe switch gate 12 in the direction of conveying. The shut-off device 32 is arranged in a housing 34 which is connected to the material feeding vessel 10 for the purpose of recycling material via a through-aperture 60 in the partition wall 16. The shut-off device 32 is formed by a pipe section 42 arranged inside the housing 34, connectable to the wall through-holes 30, 36 and displaceable or swivellable in relation to at least one of the wall through-holes 30. <IMAGE>

IPC 1-7
F04B 7/02; **F04B 15/02**

IPC 8 full level
F04B 7/00 (2006.01); **F04B 7/02** (2006.01); **F04B 15/02** (2006.01)

CPC (source: EP)
F04B 7/0034 (2013.01); **F04B 15/023** (2013.01)

Cited by
CN1298996C; CN108825819A; EP0561262A1; US5316453A; US6793467B2; WO2007147586A1; WO0140649A1

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
EP 0315750 A1 19890517; **EP 0315750 B1 19910710**; DE 3738359 A1 19890524; DE 3863624 D1 19910814; ES 2024604 B3 19920301

DOCDB simple family (application)
EP 88114734 A 19880909; DE 3738359 A 19871112; DE 3863624 T 19880909; ES 88114734 T 19880909