

Title (en)
Device and method for pumping mortar

Title (de)
Vorrichtung und Verfahren zum Pumpen von Mörtel

Title (fr)
Dispositif et méthode de pompage de mortier

Publication
EP 0748938 A1 19961218 (EN)

Application
EP 95201647 A 19950616

Priority
EP 95201647 A 19950616

Abstract (en)
A closing device (1,1') used, for instance, in pumping thin-fluid mortar using a piston pump (7), wherein a shut-off body (2) in the open position rests on supports (6) and in the closed position abuts against a seal (4). The shut-off body is movable in a guide between the open and closed position. The guide is formed by a guiding cage of at least three bars (3, 3') whose centreline is parallel to the direction of travel of the shut-off body. Piston pump (7) for pumping, for instance mortar, under high pressure, equipped with two driven cylinders (8, 9), each comprising a closing device (1, 1') both on the inlet side and on the outlet side, and a method for pumping mortar under high pressure using such piston pump (7). <IMAGE>

IPC 1-7
F04B 53/10; **F04B 15/02**

IPC 8 full level
F04B 15/02 (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP)
F04B 15/02 (2013.01); **F04B 53/102** (2013.01); **F04B 53/1035** (2013.01); **F04B 53/1087** (2013.01)

Citation (search report)

- [XA] US 3412931 A 19681126 - PALMER HARRY E
- [X] EP 0254450 A2 19880127 - GEBERTH JOHN DANIEL JUN
- [XAY] DE 2338489 A1 19750213 - FRIESEKE & HOEPFNER GMBH
- [XY] US 5061159 A 19911029 - PRYOR DALE H [US]
- [X] US 5094596 A 19920310 - ERWIN LARRY R [US], et al
- [XA] DE 2835478 A1 19800214 - ZAHNRADFABRIK FRIEDRICHSHAFEN
- [X] DE 9000274 U1 19900329
- [X] US 1938418 A 19331205 - EVANS DORA B
- [X] NL 7200881 A 19720728

Designated contracting state (EPC)
BE DE NL

DOCDB simple family (publication)
EP 0748938 A1 19961218

DOCDB simple family (application)
EP 95201647 A 19950616