

Title (en)

Output regulator applicable to metering pumps

Title (de)

Steuerungssystem verwendbar in einer Dosierpumpe

Title (fr)

Système de contrôle applicable à une pompe doseuse

Publication

EP 0908626 A1 19990414 (EN)

Application

EP 98202169 A 19980626

Priority

IT MI972267 A 19971006

Abstract (en)

The purpose is to produce a simple, reliable and economical output regulator (1), comprising a sprocket (14) keyed to a hollow shaft (16) rotating with respect to a main axis (A) parallel to the axis of rotation (C) of a crank (6). The inside of the hollow shaft (16) on opposite sides of the main axis (A) holds a sliding shaft (17) and a contoured shaft (18). The contoured shaft (18) has its own axis (B) parallel to the main axis (A). The sliding shaft (17) has a first extremity (19) coaxial with the main axis (A) and a second extremity (20) provided with a first (21) and a second (22) coupling which engage it while allowing it to slide parallel to the main axis (A), both on said hollow shaft (16) and on said contoured shaft (18). The contoured shaft (18) has a first section (23) provided with a helical projection (24) which is part of the second coupling (22) and a second section (25) keyed to the crank button (6) of the first kinematic mechanism (3). <IMAGE>

IPC 1-7

F04B 49/12

IPC 8 full level

F04B 49/12 (2006.01)

CPC (source: EP US)

F04B 49/123 (2013.01 - EP US)

Citation (search report)

- [A] US 2257854 A 19411007 - PETERSON JOSEPH A
- [A] FR 526897 A 19211015 - RENAULT LOUIS [FR]
- [A] GB 538320 A 19410729 - ROTHERHAM & SONS LTD, et al
- [A] EP 0106808 A2 19840425 - MAURER GUALTIERO

Cited by

CN102261329A

Designated contracting state (EPC)

AT DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0908626 A1 19990414; IT 1295283 B1 19990504; IT MI972267 A1 19990406

DOCDB simple family (application)

EP 98202169 A 19980626; IT MI972267 A 19971006