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(54) Title: INJECTION DEVICE

(57) Abstract

In an injection device, a groove (211) is provided in an outer circumferential wall surface of a plunger (2), a clearance between the outer circumferential wall surface of the plunger (2) and an inner circumferential wall surface of a cylinder (1) is determined by a specified equation, a guide element (24) is provided in a position backside of the plunger, a check valve (4) employed in the cylinder is continuously forced against a valve seat (221) by means of a spring (27), and a driving device (3) is provided with control means (5) for fixing a position of the plunger to a position at the end of injection process.

