

ABSTRACT

METERING MECHANISM FOR A PUMP, METHODS FOR LOCKING AND
UNLOCKING SUCH A MECHANISM

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The invention relates to a metering mechanism (7) comprising a body (70) mounted in a sleeve (77) which covers it by the top and in an adjustment nut (71) which covers it by the bottom, said adjustment nut being capable of cooperating by screwing with said sleeve, said screwing then causes a rotation of the adjustment nut relative to the body of
10 the metering mechanism, said body being extended by a valve seat (75) that can be closed by a valve (76) and that is capable of accommodating a plunger (8), the reciprocating movement of which allows a suction at the valve (76), the travel of the plunger being a function of the position of screwing between the adjustment nut and the sleeve, characterized in that the metering mechanism also comprises means (M) for activating the block-
15 ing of the rotation between the adjustment nut (71) and the body of the metering mechanism (70) so as to prohibit the screwing and the unscrewing between the adjustment nut and the sleeve. Another subject of the invention is a method for locking and unlocking such a mechanism and a proportional metering pump incorporating such a mechanism.

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See FIGURE 5