

Title (en)

METHOD AND DEVICE FOR AUTOMATICALLY SWITCHING A MORTAR GUN ON AND OFF

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SELBSTTÄTIGEN AB- UND ANSCHALTEN EINER MÖRTELSPRITZMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF DE MISE EN SERVICE ET HORS SERVICE AUTOMATIQUES D'UNE MACHINE A PULVERISER DU MORTIER

Publication

**EP 1093400 A1 20010425 (DE)**

Application

**EP 99934564 A 19990702**

Priority

- DE 19830731 A 19980709
- EP 9904615 W 19990702

Abstract (en)

[origin: DE19830731A1] The invention relates to a method for automatically switching a mortar gun on and off, said mortar gun comprising a preferably electric motor driven mortar pump (1) which can be switched on and off with a motor control switch (3) and a delivery hose (4) which can be connected to said pump and at whose end a spray gun (5) with a shut-off cock (6) is provided. The mortar gun also has a control pulse generator (8) which interacts with said shut-off cock (6). The inventive method is characterised in that the control pulse generator (8) is activated by pressure differences of the pumping medium which occur when the spray gun is closed or opened. When a predetermined upper pressure limit is exceeded as a result of the spray gun (5) being closed, a control signal for switching off the mortar pump (1) is generated. When the pressure drops below a predetermined lower pressure limit as a result of the spray gun (5) being opened, a control signal for re-starting the mortar pump (1) is generated.

IPC 1-7

**B05B 7/14**; **B05B 12/08**; **E04F 21/06**

IPC 8 full level

**B05B 7/14** (2006.01); **B05B 12/08** (2006.01); **E04F 21/12** (2006.01)

CPC (source: EP)

**B05B 7/1436** (2013.01); **B05B 12/087** (2013.01); **E04F 21/12** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0002665 A1 20000120**; CZ 20019 A3 20020213; DE 19830731 A1 20000113; EP 1093400 A1 20010425; HU P0103436 A2 20020128; HU P0103436 A3 20020228; PL 345534 A1 20011217; SK 302001 A3 20010806; YU 1301 A 20030131

DOCDB simple family (application)

**EP 9904615 W 19990702**; CZ 20019 A 19990702; DE 19830731 A 19980709; EP 99934564 A 19990702; HU P0103436 A 19990702; PL 34553499 A 19990702; SK 302001 A 19990702; YU 1301 A 19990702