

Title (en)

Automatic spray gun.

Title (de)

Automatische Spritzpistole.

Title (fr)

Pistolet de pulvérisation automatique.

Publication

EP 0211372 A2 19870225 (EN)

Application

EP 86110392 A 19860728

Priority

JP 17221485 A 19850805

Abstract (en)

An automatic spray gun has liquid atomizing means (1) provided at the front end thereof, a needle valve (3) adapted to control the amount of a liquid jetted out from the atomizing means (1), and an air piston (4) received in a cylinder (5) at the rear end of the needle valve (5) and activated by means of compressed air. The spray gun is provided with distance measuring means (17) for judging the distance between the spray gun and an object to be sprayed which is positioned in front of the spray gun, and a solenoid valve (11) activated in response to an ON-OFF signal delivered from the distance measuring means (17), the solenoid valve (11) being disposed in an air passage (12) which extends from a compressed air supply source to the cylinder (5). Thus, the needle valve (3) is selectively opened and closed by controlling the solenoid valve (11) so as to start and stop a spraying operation automatically.

IPC 1-7

B05B 7/02

IPC 8 full level

B05B 7/02 (2006.01); **B05B 7/08** (2006.01); **B05B 12/12** (2006.01)

CPC (source: EP KR)

B05B 7/02 (2013.01 - KR); **B05B 7/0815** (2013.01 - EP); **B05B 9/00** (2013.01 - KR); **B05B 12/124** (2013.01 - EP)

Cited by

US4919967A; ITUB20161100A1; CN111451017A; EP0990468A1; EP3345682A1; EP0408786A1; US4972798A; FR2682306A1; BE1006252A3; US5378493A; TR26766A; US7724609B2; WO2011006933A1; WO2007079274A3; WO2008017592A1; WO2009091489A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0211372 A2 19870225; EP 0211372 A3 19870715; EP 0211372 B1 19900613; DE 3671848 D1 19900719; JP H0356099 B2 19910827; JP S6233572 A 19870213; KR 870001875 A 19870328; KR 930001502 B1 19930302

DOCDB simple family (application)

EP 86110392 A 19860728; DE 3671848 T 19860728; JP 17221485 A 19850805; KR 860006274 A 19860730