

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number:

0 211 372
A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **86110392.7**

(51) Int. Cl.4: **B05B 7/02** , **B05B 12/00** ,
B05B 15/08

(22) Date of filing: **28.07.86**(30) Priority: **05.08.85 JP 172214/85**

(43) Date of publication of application:
25.02.87 Bulletin 87/09

(84) Designated Contracting States:
DE FR GB IT

(88) Date of deferred publication of the search report:
15.07.87 Bulletin 87/29

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(54) **Automatic spray gun.**

(57) 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.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Y	FR-A-2 517 567 (PARAGERM) * Page 5, lines 13-26; pages 9,10; claims 1-6 *	1-3	B 05 B 7/02 B 05 B 12/00 B 05 B 15/08
Y	EP-A-0 061 342 (NORDSON) * Page 5, lines 21-34; page 6, lines 16-24; figure 1 * -----	1-3	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			B 05 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 08-04-1987	Examiner JUGUET J.M.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	