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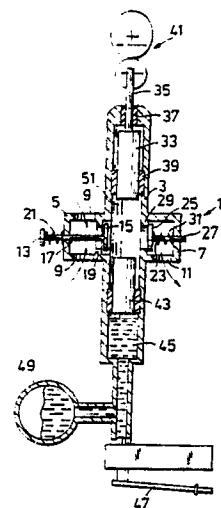
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54 Spray apparatus.

57 Spray apparatus for carrier-less high pressure spraying of materials, for example mortar, comprising a pump housing (31) having an inlet (9) for the material with an associated non-return valve (13), and having an outlet (11) for the material with an associated counter-placed non-return valve (23), and pressure means (41) generating alternately pressure and suction for pressurizing and feeding the material. The spray apparatus further comprises a mobile piston (43), which is placed under a determined but adjustable counter-pressure, so that when a pre-selected pressure has been generated in the pump housing (3) this pressure will be maintained at a constant level by displacing the mobile piston (45) outwardly so as to increase the dead volume (51) of the pump housing.





EUROPEAN SEARCH
REPORT

EP 89 85 0433

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.5)
X	DE-A-3 248 364 (AMEYAMA,MINORU,YOKOHAMA,KANAGAWA) " page 12, line 3 - page 14, line 14; figure 5" - - -	1-3.5	F 04 B 49/00
X	GB-A-2 137 286 (KEAST) " the whole document " - - -	1-3.5	
X	DE-A-1 653 497 (SCHEFFER) " page 5, line 1 - page 6, paragraph 1; figures 1-4 " - - - -	1-4	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F 04 B

Place of search	Date of completion of search	Examiner
The Hague	30 November 90	VON ARX H.P.
CATEGORY OF CITED DOCUMENTS		
<p>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</p> <p>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</p>		