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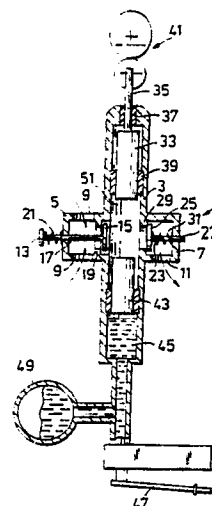
(11) Publication number:

**0 374 117 A3**

(12)

**EUROPEAN PATENT APPLICATION**(21) Application number: **89850433.7**(51) Int. Cl.<sup>5</sup> **F04B 49/00**(22) Date of filing: **12.12.89**(30) Priority: **14.12.88 SE 8804522**(43) Date of publication of application:  
**20.06.90 Bulletin 90/25**(34) Designated Contracting States:  
**AT CH DE ES FR GB IT LI NL**(38) Date of deferred publication of the search report:  
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**S-103 94 Stockholm(SE)**(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.

**EP 0 374 117 A3**



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## EUROPEAN SEARCH REPORT

Application Number

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	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F 04 B
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		30 November 90	VON ARX H.P.
<b>CATEGORY OF CITED DOCUMENTS</b>			
X : particularly relevant if taken alone		E : earlier patent document, but published on, or after the filing date	
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