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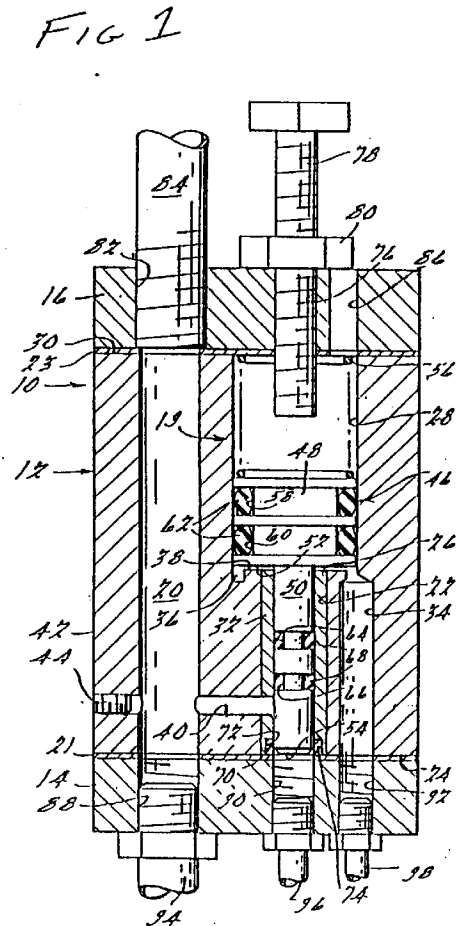
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54 Spray assembly construction.

57 A spray assembly (10) including an improved control valve (19) is disclosed which is designed for heavy industrial usage to enable application of air and/or atomized liquids to be applied to the working surfaces of various types of forming apparatus such as molds and dies for example. The control valve (19) utilized in the spray assembly (10) of the present invention incorporates a piston (48) actuated plunger (50) assembly which is positioned to restrict flow into the supply tube. The inlet to the supply tube has an elongated cross-section which allows for a more precise and consistent control at low volumes. The supply tube is also of limited length to allow complete vacuum cleaning action of the supply tube by a slightly prolonged or additional flow of blow air.





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EUROPEAN SEARCH REPORT

Application Number
EP 93 30 6295

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-37 14 926 (ACHESON INDUSTRIES INC.)	1-3, 6-12, 14-18	B05B7/04 B05B7/12 B05B12/00 B22D17/20 F16K3/24
Y	* the whole document *	4,5,13, 19,20	
D,Y	US-A-4 365 754 (LEVINE ET AL) * the whole document *	4,5,13, 19,20	
A	DE-A-29 44 670 (INDUSTRIES- UND PIPELINE-SERVICE GERHARD KOPP GMBH) * page 10, paragraph 3 - page 11, paragraph 1 *	1,7,19	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			B05B B22D F16K
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		28 February 1994	Juguet, J
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
Y : particularly relevant if combined with another document of the same category		E : earlier patent document, but published on, or after the filing date	
A : technological background		D : document cited in the application	
O : non-written disclosure		L : document cited for other reasons	
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