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54 **Spray devices and spraying systems.**

57 A spindle 12 and a disc 10 are rotated. Fluid to be sprayed is passed through a feeder tube 24 to impinge on the conical valve member 30. When the fluid flow rate is considerable, the valve member 30 deflects the flow outwardly and the fluid then hits the diffuser plate 34 and is deflected outwardly towards the surface 38 of the disc 54. When the fluid hits the disc it is caused to move outwardly as a result of the centrifugal force exerted by the spinning disc. The fluid then travels over the surface 38 until it leaves the periphery 40 of the disc and is thrown outwardly.

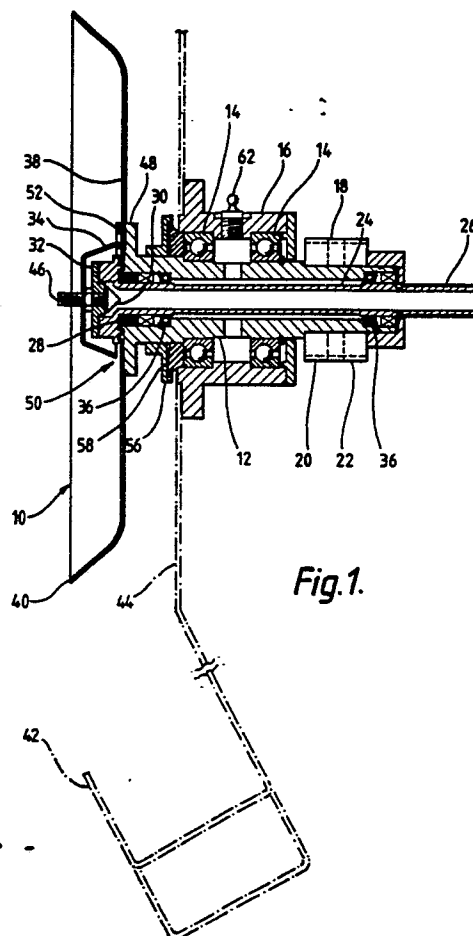


Fig.1.

EP 0 246 032 A3



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)
X	FR-A-1 334 752 (HOOVER LTD) * Whole document *	1-4	B 05 B 3/10
X	US-A-2 671 650 (JAUCH et al.) * Column 2, line 43 - column 3, line 12; column 4, lines 15-20, 28-31; figure 1 *	1-5, 7-11	
X	US-A-3 741 149 (GERLOVICH) * Column 4, line 31 - column 5, line 38; figure 7 *	1-4, 12, 13	
A	US-A-1 753 019 (PAGE) * Page 1, lines 64-87; figure 1 *	5-12	
A	US-A-3 065 106 (RHODES) * Figures 4, 14 *	13, 14	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			B 05 B B 01 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16-05-1988	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	