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54 **Powder or solid particulate material spray gun.**

57 A powder spray gun comprises a tubular housing (12) having ambient air flow passages (40) located in the sidewall thereof medially of the opposite ends. A pair of air flow amplifiers (14,16) are mounted in the housing (12) on opposite sides of the ambient air flow passages and are so oriented that compressed air supplied to the upstream one of these amplifiers, the so-called suspension amplifier (14), is operable to draw ambient air into the outlet end of the suspension amplifier, and compressed air supplied to the downstream amplifier, the so-called pattern amplifier (16), is operable to draw ambient air into the inlet end of the pattern amplifier. The spray gun (10) includes means (190) for preventing the egress of powder through the ambient air flow passages of the housing caused by back pressure generated by a restricted discharge orifice of a powder discharge nozzle of the gun.

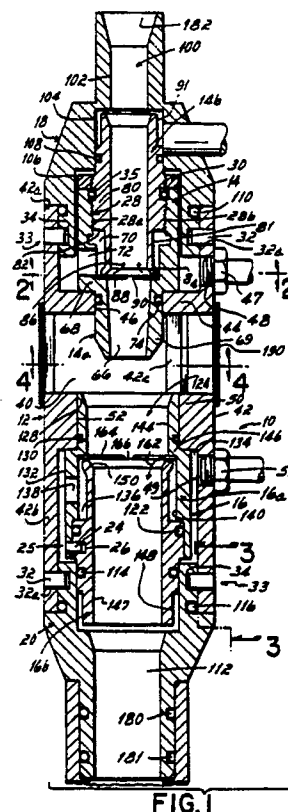


FIG. 1



European Patent
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EUROPEAN SEARCH REPORT

Application Number

EP 89 31 0506

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)
P,A	WO-A-8 902 317 (NORDSON) * Abstract; figure 1 *	1	B 05 B 7/14
D,A	US-A-4 600 603 (MULDER) * Abstract *	1	
A	EP-A-0 125 153 (SAINT-GOBAIN VITRAGE) * Page 5, line 37 - page 6, line 3 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 05 B 7/14
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03-09-1990	Examiner SCOTTI F.
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			