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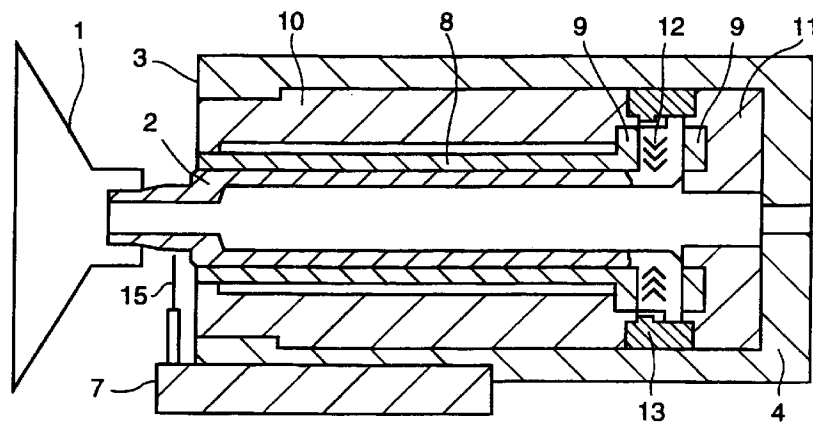
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(54) **Rotary atomizing electrostatic coating apparatus**

(57) A rotary atomizing electrostatic coating apparatus includes a pin type electrode (15) provided so as to oppose any one of the atomizing head (1) and the drive shaft (2). The atomizing head (1) is electrically charged by using a corona discharge generated between the pin type electrode (15) and the atomizing

head (1) or the drive shaft (2). Due to this structure, the bearing (8,9) for rotatably supporting the drive shaft (2) and the bearing housing (10,11) can be made from ceramics or synthetic resin. As a result, the coating apparatus is compact in size and is lightened.

FIG. 1





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EUROPEAN SEARCH REPORT

Application Number
EP 97 10 6001

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.6)
X	US 4 589 597 A (ROBISCH HERMAN ET AL) 20 May 1986 * column 2, line 22 - column 3, line 16 * * column 3, line 36 - line 60; figures * ---	1,3-10	B05B5/04
X	US 4 887 770 A (WACKER ROBERT L ET AL) 19 December 1989 * column 5, line 65 - column 6, line 9 * * column 7, line 31 - column 8, line 2 * * column 10, line 20 - column 11, line 3; figure 2 * ---	1,3,7	
A	US 4 398 672 A (ARNOLD ARTHUR J ET AL) 16 August 1983 * column 3, line 41 - line 54; figures * ---	1,3	
A	US 3 536 514 A (LAFAVE RICHARD L ET AL) 27 October 1970 * figure 4B * -----	2	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B05B
Place of search	Date of completion of the search	Examiner	
THE HAGUE	30 June 1998	Brévier, F	
CATEGORY OF CITED DOCUMENTS		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	
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			

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