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54 **Apparatus and process for spraying.**

57 The apparatus for spraying liquids comprises :
an electrostatic spray head (2), high voltage means
(24) for charging a liquid contact surface (18) to a
sufficiently high voltage to intensify the electric field
strength at the spraying site (16) in such a way that
the liquid is drawn out preponderantly by electro-
static forces into at least one cone from which a
ligament issues and breaks up into charged droplets,
and means (36) for initiating curing of the droplets in
flight.

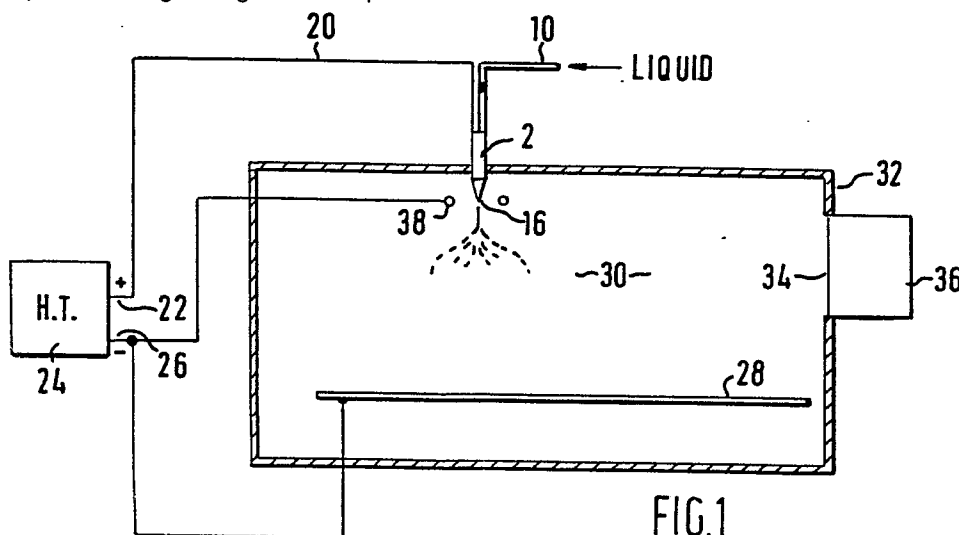


FIG.1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 87 30 4545

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)
P,X	EP-A-0 194 074 (IMPERIAL CHEMICAL INDUSTRIES) * Page 1, line 1 - page 8, line 3; page 15, line 21 - page 17, line 5; figures 1-13 *	1,7,8,13	B 05 B 5/02 B 01 J 2/04
A	US-A-2 695 002 (M.R. MILLER) * Column 2, line 25 - column 3, line 52; column 4, line 64 - column 5, line 62; figure 8 *	1,8	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 05 B B 01 J 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 14-09-1988	Examiner PYFFEROEN K.
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	