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(54) Direct plating of an orifice plate onto a holder

(57) An orifice plate is fabricated for use in an ink jet printer. Initially, a mandrel is provided, and a holder is aligned to the mandrel. The mandrel and the holder are maintained in intimate contact and at equal electrical potential. The mandrel and the holder are placed at ca-

thodic polarity. A plating material is then applied to the combined mandrel and holder to cause the mandrel and holder to form a single orifice plate directly bonded to the holder. The mandrel is then removed from the orifice plate.

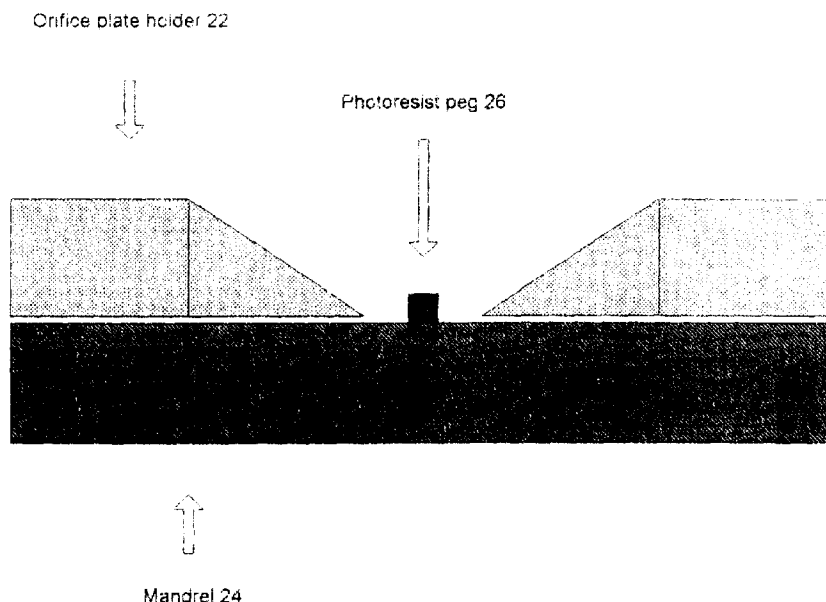


Figure 2: Cross sectional view of an orifice plate holder in close proximity to a mandrel



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EUROPEAN SEARCH REPORT

Application Number
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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)
A	US 4 374 707 A (POLLACK JOEL M) 22 February 1983 ---		C25D1/10 B41J2/16 C25D1/08
A	US 4 971 665 A (SEXTON RICHARD W) 20 November 1990 -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C25D B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 7 August 1997	Examiner Van Leeuwen, R
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			

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