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Print head for use in a ballistic aerosol marking apparatus

(57) A print head is disclosed for use in a marking apparatus in which a propellant stream (A) is passed through a channel (34) and directed toward a substrate (38). Marking material (28), such as ink, toner, etc., is controllably introduced into the propellant stream and imparted with sufficient kinetic energy thereby to be made incident upon the substrate (38). A multiplicity of channels (38) for directing the propellant and marking material allow for high throughput, high resolution marking. Multiple marking materials (28C,28M,28Y,28K) may be introduced into the channel (34) and mixed therein prior to being made incident on the substrate (38), or mixed or superimposed on the substrate (38) without re-registration.

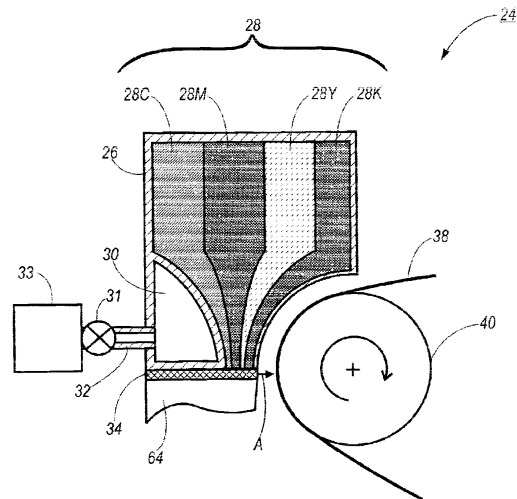


FIG. 2



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 99 30 7688

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 June 2000	Examiner Bardet, M
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82