

12 EUROPEAN PATENT APPLICATION

21 Application number: 85105683.8

51 Int. Cl.³: B 41 M 5/20

22 Date of filing: 09.05.85

30 Priority: 16.05.84 CA 454450

43 Date of publication of application:
21.11.85 Bulletin 85/47

88 Date of deferred publication of search report: 05.08.87

84 Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

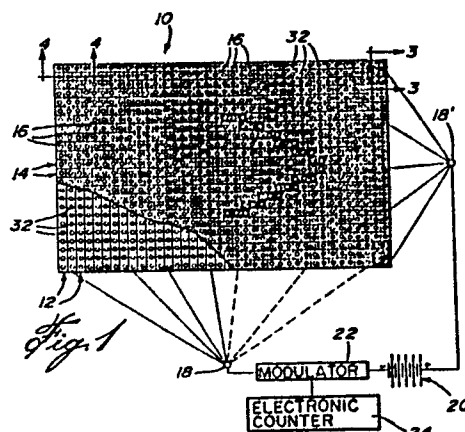
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54 Image reproduction by in plane electro-coagulation of a colloid.

57 A method and system for high speed image reproduction by electro-coagulation of an electrolytically coagulable colloid. A plurality of negative and positive electrolytically inert electrodes (12, 14) which are electrically insulated from one another are arranged to define a matrix of dot-forming elements (16), the negative and positive electrodes of each matrix element having respective planar active surfaces with the negative electrode active surface extending in the same plane as the positive electrode active surface and in close proximity thereto. A layer of substantially liquid colloidal dispersion is applied over the electrode active surfaces of the matrix elements (16), the colloidal dispersion containing an electrolytically coagulable colloid, a liquid dispersing medium and a soluble electrolyte, and having a substantially uniform temperature throughout the layer. The negative and positive electrodes (12, 14) of selected ones of the matrix elements (16) are electrically energized to cause selective coagulation and adherence of the colloid onto the positive electrode active surfaces of the selected matrix elements and to thereby form a series of corresponding dots representative of a desired image, and any remaining non-coagulated colloid is thereafter removed.





European Patent
Office

EUROPEAN SEARCH REPORT

0161633

Application number

EP 85 10 5683

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)
A	US-A-2 869 965 (D.D. WILLARD) * Figures *	1	B 41 M 5/20
A	--- IBM TECHNICAL DISCLOSURE BULLETIN, vol. 25, no. 7B, December 1982, pages 3820-3821, New York, US; H.D. CHAI et al.: "Common ground printhead structures" * Whole article *	1	
A,D	--- US-A-3 752 746 (A. CASTEGNIER) * Claims *	1-22	
E	--- EP-A-0 160 979 (A. CASTEGNIER) * Claims *	1,8-11	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			B 41 M 5/20 B 41 C 1/10 B 41 J 3/20 H 04 N 1/032 G 03 G 17/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 07-05-1987	Examiner RASSCHAERT A.
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	