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71 Applicant: **ALLIED CORPORATION**  
**Columbia Road and Park Avenue P.O. Box 2245R (Law**  
**Dept.)**  
**Morristown New Jersey 07960(US)**

72 Inventor: **Patel, Gordhanbhai Nathalal**  
**Mt. Pleasant Village, No. 3105B**  
**Morris Plains New Jersey 07950(US)**

74 Representative: **Baillie, Iain Cameron et al,**  
**c/o Langner Parry Isartorplatz 5**  
**D-8000 München 2(DE)**

54 **Printing process using acetylenic compositions.**

57 Acetylenic compound having at least two conjugated triple bonds in the molecule and polymerizable in the crystalline solid state to produce coloration, but relatively stable in liquid form, and having substituents of the group consisting of urethane, hydroxy, carboxy, carboxylic acid, carboxylic ester, carbazolyl and sulfonate, are used as printing ink. Preferred compounds are diynes, especially urethanes, diols and arylsulfonates melting in the range 40-150°C. They are employed as a melt at 40°-200°C adhering to the printing surface, whence they are transferred by contact to a substrate; and developed by cooling and exposure to a source of thermal or radiation energy.



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. 3)
D,Y	US-A-3 999 946 (GORDHANBHAI N. PATEL et al.) * Column 10, lines 6-11 *	1-9	B 41 M 5/00 B 41 M 5/16 B 41 M 1/00 B 41 M 7/00 B 41 M 5/26
Y	--- GB-A- 543 393 (J.M. HUBER) * Whole document *	1,2	C 08 F 38/00
Y	--- US-A-2 322 445 (W. HUBER) * Whole document *	1,2	
Y	--- FARBE UND LACK, vol. 83, no. 12, 1977, pages 1061-1067 A. SCHNACKIG: "Strahlentrocknung von Druckfarben" * Whole article *	1	
Y	--- US-A-4 054 684 (C. CEINTREY) * Claims 14-18 *	1	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
A	--- US-A-4 215 208 (KWOK C. YEE et al.) * Claims *	1,4-9	B 41 M 1/00 B 41 M 7/00 B 41 M 5/00
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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  
10-09-1982

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