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⑯ Polyester mesh for screen printing and method of preparation thereof.

⑯ An improved polyester mesh for screen printing is given. The polyester mesh is composed of polyester fibers having concavities and protrusions having a diameter of 0.01 to 0.1 μm in a density of at least 200 per μm^2 of the surface area thereof. A more preferred polyester mesh for screen printing has finely dispersed concavities and protrusions having a depth or height not exceeding 0.05 μm . Such a polyester mesh is obtained by subjecting a base polyester mesh to a treatment with low-temperature plasma in an atmosphere of a non-oxidizing inorganic gas. An improvement for printing screens is proposed in which a surface active agent is added to the photosensitive resin.



EP 87 40 0604

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)
X, Y	JAPANESE PATENTS REPORT, vol. 8, no. 51, 1st February 1972, section G, page 5, Derwent Publications Ltd, London, GB; & JP-B-71 143 134 (DAIYA SEISAKUSHO K.K.) 21-12-1971 --- X, Y FR-A-1 093 392 (TIFLEX) * Whole document * --- Y PATENT ABSTRACTS OF JAPAN, vol. 7, no. 214 (E-199)[1359], 21st September 1983; JP-A-58 108 744 (MITSUBISHI DENKI K.K.) 28-06-1983 * Whole abstract * --- Y IBM TECHNICAL DISCLOSURE BULLETIN, vol. 27, no. 6, November 1984, pages 3273-3274, New York, US; S.V. NGUYEN et al.: "Plasma polymer surface adhesion modification method" * Whole article * --- A EP-A-0 062 491 (UNIVERSITY OF LEEDS) * Claims 1,15 * --- A GB-A-2 148 794 (WESTINGHOUSE ELECTRIC CORP.) * Abstract * --- E EP-A-0 220 121 (SHIN-ETSU CHEMICAL) * Whole document * --- P, X EP-A-0 208 618 (SHIN-ETSU) * Whole document * -----	1-16 1-16 1-16 1-16	B 41 N 1/24 B 41 C 1/14 D 06 M 10/00
TECHNICAL FIELDS SEARCHED (Int. Cl.4)			
B 41 N 1/24 B 41 C 1/14 D 06 M 10/00			
The present search report has been drawn up for all claims			
Place of search THE HAGUE	Date of completion of the search 19-07-1988	Examiner RASSCHAERT A.	
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			