

## Title (en)

Process and means for the production of white and coloured reserve prints on textiles made of hydrophobic synthetic fibrous materials.

## Title (de)

Verfahren und Mittel zur Herstellung von Weiss- und Buntreserven auf textilen Flächegebilden aus hydrophoben synthetischen Fasermaterialien.

## Title (fr)

Procédé et produit pour produire des effets de réserve blanche et colorée sur des textiles constitués de matières fibreuses synthétiques hydrophobes.

## Publication

**EP 0142012 A1 19850522 (DE)**

## Application

**EP 84111994 A 19841006**

## Priority

DE 3337609 A 19831015

## Abstract (en)

1. A process for producing white of colored patterns by discharge resist technique on a differently colored ground of textile sheet-like structures made of or containing hydrophobic synthetic fibers, in particular polyester fibers, by applying, in any order and with overlap, to the undyed cloth (i) at least one aqueous print paste which contains a discharge resist, non-coloring by oneself, and may also contain at least one hot-fixable dyestuff, in particular a disperse dyestuff, which is resistant to the discharging and resisting agents, in the desired pattern and as background coloring, (ii) one or more, different aqueous print pastes or an aqueous padding liquor which each contain a dyestuff formulation of at least one hot-fixable dischargeable or resistable dyestuff, in particular a disperse dyestuff, and may also contain at least one hot-fixable dyestuff, in particular a disperse dyestuff, which is resistant to the discharging and resisting agents, subsequently exposing the textile material thus treated to the action of heat at temperatures of 150 degrees C to 230 degrees C, and then removing unfixed dyestuff and auxiliary residues by washing off, which comprises employing, as discharging and resisting agents in the print paste for the discharge resist patterns (i), mixtures of the following components : (a) hydrazino derivatives of arylcarboxylic, aralkylcarboxylic, arylsulfonic or aralkylsulfonic acids or salts thereof, preferably those which, in their free acid form and also free base form, have the general formula see diagramm : EP0142012,P6,F2 in which  $\_n$  denotes a number from 1 to 3, X represents a group of the formula -COOH, -CH<sub>2</sub> COOH, -SO<sub>3</sub> H or -CH<sub>2</sub> SO<sub>3</sub> H where multiple X is identical or different, and in which the aromatic ring system can, if desired, contain fused-on further rings and/or can be substituted by non-ionic radicals, (b) polyalkylene glycols, preferably polyethylene glycols, of the general formula HO-(CH<sub>2</sub>-CH<sub>2</sub> O)<sub>m</sub>-H(B) in which  $\_m$  denotes a number up to 100 and (c) nitrogen compounds of the general formula Y<sub>a</sub> N(CH<sub>2</sub>-CH<sub>2</sub>-OH)<sub>b</sub> (C) in which  $\_a$  is not equal to  $\_b$  and each is zero or a number between 1 and 3, provided  $\_a + \_b$  is always 3, and in which Y denotes a hydrogen atom or a low alkyl group, in particular -CH<sub>3</sub>, -C<sub>2</sub> H<sub>5</sub>, -C<sub>3</sub> H<sub>7</sub> or -C<sub>4</sub> H<sub>9</sub>, multiple Y being identical or different.

## Abstract (de)

Bekanntlich besitzen die bisher angewandten Ätz- oder Ätzreserveverfahren grosse Nachteile. Solche, die mit alkalischen Druckpasten arbeiten, schädigen das Polyesterfasermaterial und solche, die mit sauren Druckpasten arbeiten, schädigen die Dämpfer durch Korrosion. Erfindungsgemäss wurde nunmehr festgestellt, dass Ätzreserven mit Dispersionsfarbstoffen auf Polyesterfasergewebe auch bei neutralem pH-Wert, z.B. durch Einsatz von Mischungen aus p-Hydrazinobenzolsulfonsäure, Polyäthylenglykol und N,N-Dimethyl-N-ethanolamin als Ätzreserve erzeugt werden können.

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