

Title (en)  
Process for ink jet printing textile materials

Title (de)  
Verfahren zum Bedrucken von textilen Fasermaterialien nach dem Tintenstrahldruck-Verfahren

Title (fr)  
Procédé d'impression par jet d'encre de matériaux textiles

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Application  
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Priority  
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Abstract (en)  
In ink jet printing on textiles, the aqueous ink used contains (a) specified reactive dye(s) (I), and (b) 1,2-propylene glycol (PG) or N-methyl-2-pyrrolidone (NMP). (I) are selected from 1,3-bis(2-(4-(3,7,8-trisulphonaphth-2-yl-azo)-3-ureido-phenylamino)-4-fluoro-1,3,5-triazin-6-yl-amino)-alkanes of formula (IA), 1,2-bis(2-(3-(1-amino-2-sulpho-anthraquinon-4-yl-amino)-2,4,6-trimethyl-5-sulpho-phenylamino)-1,3,5-triazin-6-yl-amino)alkanes of formula (IB), 4-(2-(2-(2-vinyl- or -beta -sulphatoethyl-sulphonylethoxy)ethylamino)-4-fluoro-1,3,5-triazin-6-yl -amino)-2-(1-ethyl-2-hydroxy-4-methyl-5-sulphomethyl-pyrid-6-on-3-yl-azo)-benzenesulphonic acid of formula (IC), 6-(2-(2-(2-vinyl- or beta -sulphatoethyl-sulphonylethoxy)ethylamino)-4-fluoro-1,3,5-triazin-6-yl -amino)-2-(4-methyl-2,5-disulphophenylazo)-1-hydroxynaphthalene-3-sulphonic acid of formula (ID), 8-(2-(2-(2-vinyl- or beta -sulphatoethyl-sulphonylethoxy)ethylamino)-4-chloro-1,3,5-triazin-6-yl -amino)-2-(4-vinylsulphonylphenylazo)-1-hydroxynaphthalene-3,6-disulphonic acid of formula (IE), 8-(2-(3-(2-vinyl- or beta -sulphatoethyl-sulphonylethylcarbamoyl)-phenylamino)-4-fluoro-1,3,5-triazin-6-yl-amino)-2-(1,5-disulphonaphth-2-yl-azo)-1-hydroxynaphthalene-2,6-disulphonic acid of formula (IF), copper phthalocyanine sulphonic acid sulphonamides of formula (IG), 8-amino-2,7-bis(4-vinyl- or -beta -sulphatoethyl-sulphonyl-phenylazo)-1-hydroxynaphthalene-3,6-disulphonic acid of formula (IH) and 2,4-diamino-3-(4-vinyl- or -beta -sulphatoethyl-sulphonyl-phenylazo)-5-(2-sulpho-4-vinyl- or -beta -sulphatoethyl-sulphonyl-phenylazo)-benzenesulphonic acid of formula (IJ). In the formulae, Z, Z' = vinyl or -CH<sub>2</sub>-CH<sub>2</sub>-OSO<sub>3</sub>H; B<sub>1</sub>, B<sub>2</sub> = 2-12C alkylene, optionally with 1, 2 or 3 O atoms in the chain and optionally substituted by OH, sulph(at)o, cyano or carboxyl; and CuPhC = a copper phthalocyanine residue. Also claimed are aqueous ink jet printing inks containing dye(s) (I).

Abstract (de)  
Verfahren zum Bedrucken von textilen Fasermaterialien nach dem Tintenstrahldruck-Verfahren, dadurch gekennzeichnet, dass man diese Fasermaterialien mit einer wässrigen Tinte bedruckt, welche a) mindestens einen Reaktivfarbstoff der in Anspruch 1 angegebenen Formeln (1a) bis (1i) und b) 1,2-Propylenglykol oder N-Methyl-2-pyrrolidon enthält. Das Verfahren eignet sich besonders zum Bedrucken von cellulosehaltigen Fasermaterialien. Es werden Drucke mit guten Echtheitseigenschaften bei hoher färbereischer Ausbeute erhalten.

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