

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 de matériaux textiles par jet d'encre

Publication  
**EP 0885999 A2 19981223 (DE)**

Application  
**EP 98810524 A 19980609**

Priority  
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Abstract (en)  
An ink jet printing method for use on textiles, where the aqueous ink used contains: (a) specified reactive dye(s) (I), and (b) 1,2-propylene glycol (PG), N-methyl-2-pyrrolidone (NMP), alginate or a water-soluble, non-ionogenic cellulose ether (II); where (I) are selected from 4-(2-sulphophenyl amino-4-chloro-1,3,5-triazin-6-yl-amino)-2-(1-ethyl-2-hydroxy-4-methyl -5-sulphomethyl-pyrid-6-on-3-yl-azo)-benzenesulphonic acid (IA); 8-(2-(N-ethyl-N-phenylamino)-4-chloro-1,3,5-triazin-6-yl-amino)-2-(2-s ulphophenyl-azo)-1-hydroxynaphthalene-3,6-disulphonic acid (IB); 6-(N-methyl-N-(2-amino-4-chloro-1,3,5-triazin-6-yl)-amino)-2-(1,5-disu lphonaphth-2-yl-azo)-1-hydroxynaphthalene-3-sulphonic acid (IC); 5-(2-( beta -( beta -hydroxyethoxy)ethylamino)-4-chloro-1,3,5-triazin-6-yl-amino)-2-(3,6,8 -trisulphonaphth-2-yl-azo)-phenylurea (ID); 8-(2-(N-ethyl-N-phenylamino)-4-chloro-1,3,5-triazin-6-yl-amino)-2-(1-s ulpho- or- 1,5-disulphonaphth-2-yl-azo)-1-hydroxynaphthalene-3,6-disulphonic acid (IE); 1-amino- 4-(3-(2-sulphophenyla mino-4-chloro-1,3,5-triazin-6-yl-amino)-2,4,6-trimethyl-5-sulphophenyl amino)-anthraquinone-2-sulphonic acid (IF); 1-amino-4-(3-(2-(2,5-disulphophenyl amino)-4-chloro-1,3,5-triazin-6-yl-amino-tert. pentylamino)-anthraquin one-2-sulphonic acid (IG); a copper phthalocyanine sulphonic acid sulphonamide of formula: (IH) (in which CuPhC = a copper phthalocyanine group); the 1:2 chromium complex (II) of 8-(2-amino-4-chloro-1,3,5-triazin-6-yl-amino)-2-(2-hydroxy-5-nitrophen yl-azo)-1-hydroxynaphthalene-3,6-disulphonic acid; or the 1:2 cobalt complex (II) of 6-(2-amino-4-chloro-1,3,5-triazin-6-yl-amino)-2-(2-hydroxy-6-nitro-4-s ulphonaphth-1-yl-azo)-1-hydroxynaphthalene-3-sulphonic acid. If the ink contains (IA), it also contains NMP, alginate or (II). 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 (1j), und b) 1,2-Propylenglykol, N-Methyl-2-pyrrolidon, Alginat oder einen wasserlöslichen, nichtionogenen Celluloseäther enthält Das Verfahren eignet sich besonders zum Bedrucken von cellulosehaltigen Fasermaterialien. Es werden Drucke mit guten Echtheitseigenschaften bei hoher färbischer Ausbeute erhalten.

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