

Title (en)  
Process for ink jet printing textile materials

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

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

Publication  
**EP 0886000 A3 20000223 (DE)**

Application  
**EP 98810525 A 19980609**

Priority  
CH 147597 A 19970617

Abstract (en)  
[origin: EP0886000A2] In ink jet printing on textiles, the aqueous ink used contains (a) reactive bridged bis-2-amino-4-fluoro-1,3,5-triazin-6-yl-amino dye(s) of formula (I) or reactive 2-amino-4-halo-1,3,5-triazinyl dye(s) of formula (II) and (b) a water-soluble, non-ionogenic cellulose ether or alginate; in which R1, R2, R3, R4, R5 = hydrogen (H) or optionally substituted 1-4 carbon (C) alkyl; B1 = an organic bridging group; A1, A3 = the residue of a mono-, poly- or metal complex azo, anthraquinone, phthalocyanine, formazan or dioxazine chromophore containing sulpho group(s); A2 = as A1, H or optionally substituted 1-4 C alkyl, phenyl or naphthyl; X1 = halogen; V = a fibre-reactive group of formula -N(R6)-alkylene(R)-SO2-Z (IIIA), -N(R7)-alkylene-E-alkylene'-SO2-Z (IIIB), -N(R7)-arylene-SO2-Z (IIIC), -N(R7)-arylene-(alkylene)5-W-alkylene'-SO2-Z (IIID) and (IIIE); alkylene, alkylene' = 1-6 C alkylene; arylene = phenylene or naphthylene (optionally substituted by sulpho, carboxyl, 1-4 C alkyl, 1-4 C alkoxy or halogen); Z = vinyl or -CH2-CH2-U1; U1 = a labile group; R = H, hydroxyl (OH), sulph(at)o, carboxyl, cyano (CN), halogen, 1-4 C alkoxycarbonyl, 1-4 C alkanoyloxy, carbamoyl or -SO2-Z; R6 = H, 1-4 C alkyl (optionally substituted by OH, sulph(at)o, carboxyl or CN) or -alkylene(R)-SO2-Z; R7 = H or 1-4 C alkyl (optionally substituted by carboxyl, CN, OH or sulph(at)o); E = oxygen (-O-) or imino (-NR8-); R8 = H or 1-4 C alkyl; W = -SO2-NR6-, -CONR6- or -NR6CO-; t = 0 or 1. Also claimed are aqueous ink jet printing inks.

IPC 1-7  
**D06P 5/00**; **D06P 1/382**; **D06P 1/46**; **C09B 62/04**; **C09B 62/503**; **C09D 11/00**

IPC 8 full level  
**C09B 62/06** (2006.01); **C09B 62/09** (2006.01); **C09B 62/503** (2006.01); **C09B 62/51** (2006.01); **C09B 62/513** (2006.01); **C09B 62/517** (2006.01); **D06P 1/382** (2006.01); **D06P 1/384** (2006.01); **D06P 1/90** (2006.01); **D06P 5/00** (2006.01); **D06P 5/30** (2006.01); **D06P 1/46** (2006.01); **D06P 1/50** (2006.01)

CPC (source: EP KR US)  
**D06P 1/382** (2013.01 - KR); **D06P 1/50** (2013.01 - KR); **D06P 5/30** (2013.01 - EP KR US); **D06P 1/382** (2013.01 - EP US); **D06P 1/46** (2013.01 - EP US); **D06P 1/50** (2013.01 - EP US)

Citation (search report)  
• [A] GB 2252335 A 19920805 - ICI PLC [GB]  
• [A] US 4969951 A 19901113 - KOIKE SHOJI [JP], et al  
• [A] EP 0666362 A2 19950809 - CANON KK [JP]  
• [A] US 4849770 A 19890718 - KOIKE SHOJI [JP], et al  
• [A] US 5542972 A 19960806 - VON DER ELTZ ANDREAS [DE], et al  
• [A] DATABASE WPI Section Ch Week 198544, Derwent World Patents Index; Class A60, AN 1985-273488, XP002124482  
• [A] DATABASE WPI Section Ch Week 199114, Derwent World Patents Index; Class A88, AN 1991-096910, XP002124603

Cited by  
CN102153904A; CN102127333A; DE10135042A1; WO0046309A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0886000 A2 19981223**; **EP 0886000 A3 20000223**; **EP 0886000 B1 20050720**; BR 9802014 A 19990720; CN 1140667 C 20040303; CN 1202551 A 19981223; DE 59812931 D1 20050825; ES 2246065 T3 20060201; ID 20432 A 19981217; JP H1112963 A 19990119; KR 100538666 B1 20060328; KR 19990007044 A 19990125; PT 886000 E 20051031; SG 73520 A1 20000620; TR 199801119 A2 19991021; TR 199801119 A3 19991021; TW 550281 B 20030901; US 5972084 A 19991026

DOCDB simple family (application)  
**EP 98810525 A 19980609**; BR 9802014 A 19980616; CN 98103230 A 19980616; DE 59812931 T 19980609; ES 98810525 T 19980609; ID 980855 A 19980611; JP 16954298 A 19980617; KR 19980022646 A 19980617; PT 98810525 T 19980609; SG 1998001403 A 19980612; TR 9801119 A 19980616; TW 87109453 A 19980615; US 8914498 A 19980602