

Title (en)

Biased serial ink jet printing system for textiles

Title (de)

In schräger Richtung arbeitendes serielles Tintenstrahldrucksystem für Textilien

Title (fr)

Système d'impression oblique en série par jet d'encre pour textiles

Publication

**EP 0829368 A3 19990609 (EN)**

Application

**EP 97306940 A 19970908**

Priority

US 71010396 A 19960911

Abstract (en)

[origin: EP0829368A2] A method is provided for using an ink jet printer to print on a textile substrate. One or more printheads are oriented to scan the width of the textile web at a bias angle. A different printhead can be used for each color ink, whereby the ink is projected across an air gap to the textile web during the scan. Arranging the multiple printheads for parallel scanning allows each printhead to scan a separate swath simultaneously. Additional scan widths can be left between printheads to allow for sufficient ink absorption or drying time prior to applying the next color. <IMAGE>

IPC 1-7

**B41J 2/21**; **D06P 5/00**

IPC 8 full level

**B41J 2/21** (2006.01); **B41J 3/407** (2006.01); **B41J 19/16** (2006.01); **D06P 5/30** (2006.01)

CPC (source: EP)

**B41J 2/2103** (2013.01); **B41J 3/4078** (2013.01); **B41J 19/16** (2013.01); **D06P 5/30** (2013.01)

Citation (search report)

- [Y] EP 0646460 A1 19950405 - CANON KK [JP]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 10, no. 189 (M - 494) 3 July 1986 (1986-07-03)
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 45 (M - 792) 2 February 1989 (1989-02-02)
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 10 (P - 248) 18 January 1984 (1984-01-18)

Cited by

EP1219980A3; EP1033254A3; GB2384462A; GB2384462B; CN102458865A; AU2010243580B2; CN115837805A; GB2381501A; GB2381501B; EP0992353A1; US6984014B2; US6431773B1; US7481515B2; US9004647B2; US6619794B2; WO2010125129A1; WO2004072360A3; US8557340B2; US9217224B2; US9073340B2; US9085185B2; WO2012032127A1; US8960855B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0829368 A2 19980318**; **EP 0829368 A3 19990609**; **EP 0829368 B1 20020206**; CA 2215184 A1 19980311; DE 69710277 D1 20020321; DE 69710277 T2 20021017

DOCDB simple family (application)

**EP 97306940 A 19970908**; CA 2215184 A 19970910; DE 69710277 T 19970908