

Title (en)

TRANSFER SHEETS FOR THE THERMAL DRY-PRINTING OF CELLULOSIC FIBRES

Publication

EP 0099333 B1 19860924 (DE)

Application

EP 83810295 A 19830630

Priority

CH 422582 A 19820712

Abstract (en)

[origin: WO8400325A1] The carrier surface is used for dry thermal printing by means of colorants which are not water soluble at a temperature of 60$^{\circ}$C, of water-swollen cellulose fibers. The colorants are hardly vaporizable and may not be transferred in a conventional printing process. The colorants are transferred to the cellulose fibers which are dewatered and stabilized by addition of polyglycol, at a temperature of 230$^{\circ}$C and a pressure ranging from 10$^{-4}$ to 10$^{-6}$ Pa, by means of a paper sheet provided with a transfer layer. In order to increase the penetration of colorants into the textile structure, it is recommended to lower the air pressure in the transfer area down to a pressure ranging from 1 to 5 x 10$^{-4}$ Pa.

IPC 1-7

B41M 5/025; **D06P 5/00**

IPC 8 full level

B41M 3/12 (2006.01); **B41M 5/025** (2006.01); **D06P 5/00** (2006.01); **D06P 5/28** (2006.01)

CPC (source: EP US)

D06P 5/005 (2013.01 - EP US); **Y10S 8/918** (2013.01 - US)

Citation (examination)

- DE 3009035 A1 19800918 - SUBLISTATIC HOLDING SA
- DE 2530885 A1 19760129 - CIBA GEIGY AG
- GB 2036091 A 19800625 - STOREY BROTHERS & CO

Cited by

EP0146504A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

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