

Title (en)

THERMALLY SENSITIVE PRINTING RIBBON FOR USE IN THERMAL TRANSFER PRINTING AND MANUFACTURE OF SAME

Publication

**EP 0304673 B1 19911127 (DE)**

Application

**EP 88112416 A 19880730**

Priority

DE 3728075 A 19870822

Abstract (en)

[origin: EP0304673A1] A thermally sensitive ink ribbon for thermal transfer printing which can be overwritten many times having a layer of fusible ink on one side of a carrier film, where the fusible ink contains a wax or a wax-like substance, a colorant, a thermoplastic binder and, if desired, other additives and the thermoplastic binder represents the support substance, in the voids of which particles of a fat-soluble dye, a pigment and a wax or wax-like substance in finely divided solid form exist alongside one another. It can be produced by applying an aqueous coating dispersion which contains the thermoplastic binder, the fusible wax or fusible wax-like substance and a fat-soluble dye in finely divided solid form to the base film of the thermally sensitive ink ribbon and evaporating the aqueous portion of the dispersion. It can be manufactured without using environmentally disadvantageous solvents and, moreover, can be overwritten 5 to 15 times without deterioration of the print quality.

IPC 1-7

**B41J 31/00; B41M 5/26**

IPC 8 full level

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CPC (source: EP US)

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**EP 0304673 A1 19890301; EP 0304673 B1 19911127**; AT E69768 T1 19911215; DE 3728075 A1 19890302; DE 3728075 C2 19891019; DE 3866471 D1 19920109; ES 2026976 T3 19920516; GR 3003226 T3 19930217; JP 2656082 B2 19970924; JP S6471786 A 19890316; US 5132139 A 19920721

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