

Title (en)
WRITING RIBBON AND PROCESS FOR ITS PRODUCTION

Publication
EP 0338313 B1 19921230 (DE)

Application
EP 89105844 A 19890404

Priority
DE 3812001 A 19880411

Abstract (en)
[origin: EP0338313A1] A disposable typewriter or printer ribbon having a substrate film and an ink layer which is applied thereon and contains thermoplastic binders, colorants, vegetable oils and optionally auxiliaries for applying the ink layer starting materials to the substrate film is described. This ribbon is distinguished by the fact that the ink layer possesses, as a continuous skeleton substance, a polyalkylene oxide which contains finely dispersed thermoplastic binder particles. It is advantageously produced by a method in which the aqueous coating dispersion which contains the thermoplastic binder in suspension, the polyalkylene oxide in solution, a vegetable oil, which is incompatible with the polyalkylene oxide, colorants and other customary additives is applied in a manner known per se to the substrate film of the typewriter or printer ribbon, and the aqueous or volatile fraction of the dispersion is evaporated off. This typewriter or printer ribbon can be produced in an environment-friendly manner and has a wide range of uses, for example as an OCR ribbon, an MICR ribbon, an EAN code ribbon, a heat-sealing tape and a correctable ribbon.

IPC 1-7
B41J 31/00; B41M 5/00

IPC 8 full level
B41J 31/00 (2006.01); **B41M 5/00** (2006.01); **B41M 5/10** (2006.01)

CPC (source: EP)
B41J 31/00 (2013.01); **B41M 5/10** (2013.01)

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0338313 A1 19891025; EP 0338313 B1 19921230; AT E83977 T1 19930115; DE 3812001 A1 19891019; DE 3812001 C2 19900419; DE 58903137 D1 19930211; ES 2037309 T3 19930616; GR 3006892 T3 19930630

DOCDB simple family (application)
EP 89105844 A 19890404; AT 89105844 T 19890404; DE 3812001 A 19880411; DE 58903137 T 19890404; ES 89105844 T 19890404; GR 930400146 T 19930127