

Title (en)

Thermal transfer dye ribbon for luminescent writing

Title (de)

Thermotransferfarbband für lumineszierende Schriftzeichen

Title (fr)

Ruban de colorant pour transfert thermique pour l'écriture luminescente

Publication

EP 0908326 B1 20010411 (DE)

Application

EP 98114543 A 19980803

Priority

DE 19744956 A 19971010

Abstract (en)

[origin: EP0908326A1] Thermal transfer tape consists of base film coated on one side with a layer containing luminescent pigment, wax and polymeric wax plasticizer and a second layer containing wax, polymer binder and a non-luminescent pigment with a reflectance peak at the wavelength of the light emitted by the luminescent pigment. Thermal transfer tape comprising a base tape with two superimposed thermally-transferrable layers on one side of the base. The first layer (A) next to the base contains a luminescent pigment (pigment 1), wax(es) with a melting point (m.pt.) of 70-110 degrees C and about 1-22 wt% polymeric wax plasticizer with a glass temperature (Tg) of -30 to +70 degrees C. The second (outer) layer (B) shows a heat of fusion (DELTA -H) of 10-80 J/g; it contains a non-luminescent pigment (pigment 2) with a reflectance spectrum showing a peak or leading edge in the wavelength range of the light emitted by pigment 1, plus a wax-compatible polymeric binder and 5-30 wt% wax and/or wax-like substance.

IPC 1-7

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