

Title (en)

A METHOD OF THERMAL PRINTING AND A THERMAL PRINTER

Title (de)

VERFAHREN ZUM THERMISCHEN DRUCKEN UND THERMODRUCKER

Title (fr)

PROCEDE D'IMPRESSION PAR TRANSFERT THERMIQUE ET IMPRIMANTE THERMIQUE

Publication

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Application

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Abstract (en)

[origin: WO9934983A1] A method of producing a printing on a surface of a foil by means of energizable printing means and a thermal transfer ribbon including an ink which is transferable in an ink transfer operation at specific locations of the thermal transfer ribbon by heating the specific locations to an elevated temperature by means of the energizable printing means causing the ink to be fluid, comprises the following steps: arranging the thermal transfer ribbon in facial contact with the surface of the foil; arranging the energizable printing means in contact with the thermal transfer ribbon opposite to the foil; moving the foil and the energizable printing means relative to one another at a specific speed while pressing the energizable printing means and the foil together so as to sandwich the thermal transfer ribbon therebetween in a constrained state, and while energizing the energizable printing means; and moving the thermal transfer ribbon relative to the energizable printing means at a reduced speed as compared to the specific speed of the foil relative to the energizable printing means and consequently moving the thermal transfer ribbon relative to the foil for causing the ink of the thermal transfer ribbon to be transferred at the specific locations to the foil at specific areas thereof constituting the printing so as to smear the ink of the thermal transfer ribbon at the specific locations onto the foil through the motion of the thermal transfer ribbon relative to the foil.

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