

Title (en)

Automatic screen printing machine and printing method.

Title (de)

Automatische Siebdruckmaschine und Druckverfahren.

Title (fr)

Machine d'impression sérigraphique automatique et méthode d'impression.

Publication

EP 0579433 A1 19940119 (EN)

Application

EP 93305275 A 19930706

Priority

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Abstract (en)

A heating device in which a printing table (7) is homogeneously and uniformly heated to use it as a hot table, and an endless belt (1) is heated using the heat conducted therefrom, in order to produce printed products of improved quality preventing the color pastes from oozing out and colors from being mixed together and yet increasing the degree of color value, without permitting the automatic screen printing machine to become bulky or elongated. In an automatic screen printing machine in which a number of printing units (6) each consisting of a pair of a screen (6-1) and a squeeze (6-2) are arranged on a frame, and the printing operation is carried out by sticking a fabric (4) to be printed onto an endless belt and intermittently conveying the endless belt, a heating device of the automatic screen printing machine comprising a table which is divided into units maintaining a distance in a direction in which the endless belt travels and of which the upper surfaces work to support the endless belt, planar heating elements (8) provided in the form of units for each of the table units, temperature sensors (9) provided for each of the planar heating elements to detect the temperature of the table units or of the planar heating elements, and temperature control mechanisms (10) which control the electric power supplied to the planar heating elements depending upon the detect signals from the temperature sensors provided for the planar heating elements. <IMAGE>

IPC 1-7

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Citation (search report)

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