

Title (en)

METHOD FOR ADJUSTING THE POSITION OF A PRINTING SQUEEGEE AND A FLOOD SQUEEGEE IN SCREEN PRINTING

Publication

EP 0423428 A3 19910605 (DE)

Application

EP 90111309 A 19900615

Priority

DE 3934569 A 19891017

Abstract (en)

[origin: EP0423428A2] In a method for adjusting the position of a printing squeegee and a flood squeegee in screen printing, the position-adjusting force, with which the printing squeegee is pressed against the fixed base of the printing carrier, and the position-adjusting force, with which the flood squeegee is pressed against the printing medium applied to the screen stencil during the flooding operation, are generated in each case by a pneumatic or hydraulic control circuit which is independent of the control circuit of the flood squeegee or the printing squeegee, the respective position-adjusting force being optimised by setting the pressure of the pressure medium initially in one or more trial prints or from empirical values and then being kept constant at this determined value in the following prints. A device for carrying out this method employs at least one cylinder unit for generating the respective position-adjusting force and a pressure controller for keeping the pressure of the pressure medium constant, the control circuit of the cylinder unit for the flood squeegee being independent of the control circuit of the cylinder unit for the printing squeegee. To compensate for the weight, the flood squeegee is prestressed in the direction facing away from the screen stencil.

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CPC (source: EP)

B41F 15/46 (2013.01)

Citation (search report)

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