

Title (en)
Silk-screen printing method and printing machine that carries out this method

Title (de)
Siebdruckverfahren und Siebdruckmaschine zur Durchführung des Verfahrens

Title (fr)
Procédé d'impression par sérigraphie et machine pour la mise en oeuvre du procédé

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Application
EP 00112878 A 20000619

Priority
IT PI990037 A 19990618

Abstract (en)
A silk-screen printing machine (1) comprising a base frame (2) with respect to which a flat support (3) for a sheet (4) can move from a loading position (5) to a printing position (6) under a silk-screen (7), having a silk screen (7'), relatively to which a support (8) can slide comprising a doctor (9) and a counter-doctor (10). Above the printing zone (6) a shield (11) is provided suitable for protecting the operator from the vapour of ink present on the silk cloth (7). The base frame (2), at the loading zone (5), has positioning registers of reference (12,13) suitable for allowing the location of the sheet (4) with respect to the flat support (3), so that when the latter is located in the printing zone (6) the sheet (4) is positioned correctly with respect to the silk-screen (7). The flat support (3) is of vacuum type and has a projecting grid (20) on which the sheet (4') already printed in a previous step can rest. The machine provides furthermore two pawls (21,22) that engage with the flat support (3) and the grid (20). Opposite to the loading zone (5) an unloading zone (14) is provided where a conveyor belt (23) is present. At the end of the printing step, the back stroke of the flat support (3) towards the loading position (5) is effected, and the pawls (21, 22) block the back stroke of the sheet just printed (4) and the sheet previously printed (4'), which fall respectively on the grid (20) and on an unloading zone (14). <IMAGE>

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• [X] US 4210077 A 19800701 - LINDSTROM NILS A E [SE]
• [A] EP 0453988 A1 19911030 - SPS SIEBDRUCKMASCHINEN GMBH [DE]
• [A] EP 0173064 A2 19860305 - SVANTESSON AKE
• [A] US 4254707 A 19810310 - LAMBERT DARYL G, et al

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