

Title (en)

AUTOMATIC SILK SCREEN PRINTING MACHINE COMPRISING A SQUEEGEE-LOWERING DEVICE ACTUATED BY AN ELECTRO-MAGNET

Publication

EP 0081614 B1 19860430 (FR)

Application

EP 81401997 A 19811215

Priority

EP 81401997 A 19811215

Abstract (en)

[origin: EP0081614A1] 1. An automatic silk-screen printing machine including means for synchronized control of movements comprising a relative linear movement of the screen in comparison with a doctor blade, a downward movement of the doctor blade and a simultaneous upward movement of the member which holds the object, in which the mechanism for moving the doctor blade holder (14) downwards and upwards includes an electro-magnet which controls the downward movement of the doctor blade and an arm (15) pivoting at a fixed point (16) in comparison with the means for linearly moving the doctor blade, characterized by a return spring (18) of said arm to a position corresponding to the up position of the doctor blade, by a member (17) having an abutment surface above said arm, by means (23) for applying a downward vertical pressure onto said abutment surface ; a link (19) having a pivot pin (190) integral with said arm and holding at its end the axle of a wheel (191) bearing against said abutment surface, a rod (20) connected to one end of said link so as to cause it to oscillate about its pivot pin and said electromagnet (21) which has a movable member integral with the opposite end of said rod and means for causing energization of the electromagnet throughout the printing period.

IPC 1-7

B41F 15/08; **B41F 15/42**

IPC 8 full level

B41F 15/08 (2006.01); **B41F 15/42** (2006.01)

CPC (source: EP)

B41F 15/0813 (2013.01); **B41F 15/0872** (2013.01); **B41F 15/0886** (2013.01); **B41F 15/42** (2013.01)

Cited by

CN109094180A

Designated contracting state (EPC)

CH DE GB LI

DOCDB simple family (publication)

EP 0081614 A1 19830622; **EP 0081614 B1 19860430**; DE 3174529 D1 19860605

DOCDB simple family (application)

EP 81401997 A 19811215; DE 3174529 T 19811215