

Title (en)

Machine for the multi-colour silk-screen printing of containers with curved surfaces

Title (de)

Mehrfarb-Siebdruckmaschine für Behälter mit gekrümmter Oberfläche

Title (fr)

Machine d'impression sérigraphique à plusieurs couleurs pour conteneurs avec des surfaces courbes

Publication

EP 0727309 A1 19960821 (EN)

Application

EP 96200335 A 19960213

Priority

IT RE950008 A 19950216

Abstract (en)

A multi-colour silk-screen printing machine for containers with curved surfaces comprises a loading station (6) for the containers (7) to be silk-screen printed, a series of printing stations (8) and a discharge station (9) for the silk-screen printed containers, in which said printing stations are equidistant along a circular path tangential to which the screens (18) are positioned, and along which a number, equal to the number of printing stations, of radial mandrels (5) supporting the containers in a horizontal position are rotated stepwise, for each mandrel (5) there being provided two endpieces (30) arranged symmetrical about the longitudinal axis (55) of this latter; two printing stations (8) for each component colour of the multi-colour silk-screen printing; a drive member (25) for rotating the mandrel through 180 DEG during its transfer from one station to the next; and a transmission linkage which connects together the two endpieces of each mandrel and which during the printing of one container arranges the opposing container in the correct starting position. <IMAGE>

IPC 1-7

B41F 1/00; **B41F 15/08**

IPC 8 full level

B41F 1/00 (2006.01); **B41F 15/08** (2006.01)

CPC (source: EP)

B41F 15/0872 (2013.01)

Citation (search report)

[A] US 3026003 A 19620320 - SIEGFRIED EDELS, et al

Cited by

US6070524A; CN113665229A; US6490971B2; US10350879B2; DE102015219973A1; WO9638305A1; EP1500503A1; FR2857901A1; DE102015219975A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0727309 A1 19960821; **EP 0727309 B1 19981021**; AT E172405 T1 19981115; DE 69600802 D1 19981126; DE 69600802 T2 19990311; DK 0727309 T3 19990628; ES 2124058 T3 19990116; IT 1279912 B1 19971218; IT RE950008 A1 19960816; SI 0727309 T1 19990228

DOCDB simple family (application)

EP 96200335 A 19960213; AT 96200335 T 19960213; DE 69600802 T 19960213; DK 96200335 T 19960213; ES 96200335 T 19960213; IT RE950008 A 19950216; SI 9630028 T 19960213