

Title (en)

Machine for the multi-colour silk-screen printing of cylindrical containers in general.

Title (de)

Maschine für den Mehrfarbensiebdruck von zylindrischen Behältern im allgemeinen.

Title (fr)

Machine pour l'impression sérigraphique multicolore de récipients cylindriques en général.

Publication

**EP 0265982 A2 19880504 (EN)**

Application

**EP 87201888 A 19871003**

Priority

IT 4685386 A 19861031

Abstract (en)

A machine for the multi-colour silk-screen printing of cylindrical containers in general, comprises a loading station (5), at least two printing stations (3) and a discharge station (6) for the containers (4), these stations being angularly equidistant on a horizontal circular path, along which a like number of angularly equidistant radial mandrels (34, 36) move stepwise. A gear (8) coaxial to the machine central vertical axis is constantly engaged in corresponding gears associated with said mandrels (34, 36) and printing stations (3). The gear (8) is rotated with reciprocating motion of any amplitude, to drive the mandrels (34, 36) through any arc, which can also be greater than 360 DEG . If the return movement of the gear (8) is completed during transfer of the mandrels (34, 36) between one station and another, the mandrels will always have undergone one complete revolution about themselves, so that they become repositioned in their exact starting position. As a particular case, the gear (8) is rotated with reciprocating motion of angular amplitude equal to that by which the mandrels are distributed, so that in one direction the mandrel follows their movement along the circular path so maintaining them stationary with respect to their axis, whereas in the opposite direction it causes them to rotate about their axis, with simultaneous concordant sliding of the screens (31) which have been lowered against the containers (4).

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IPC 8 full level

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CPC (source: EP)

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Cited by

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