

Title (en)

Servo-driven screen printing machine.

Title (de)

Siebdruckmaschine mit Servoantrieb.

Title (fr)

Machine de sérigraphie avec servomoteur.

Publication

**EP 2990203 B1 20180808 (EN)**

Application

**EP 14182171 A 20140825**

Priority

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Abstract (en)

[origin: EP2990203A1] A servo-driven cylinder screen printing machine includes a machine frame (21), a print cylinder (22), a direct-drive servo mechanism (23), a screen carrier (24) and at least one linear servo mechanism (25). An infeed table (26) and a delivery table (27) are mounted in the machine frame (21) at a front and a rear portion thereof, respectively, and the print cylinder (22) is located between the infeed table (26) and the delivery table (27). The direct-drive servo mechanism (23) forms a direct-drive device connected to and driving a rotary shaft (221) of the print cylinder (22) to rotate at precisely controlled speed. The screen carrier (24) is located above the machine frame (21) and adjacent to a surface of the print cylinder (22). The linear servo mechanism (25) forms another direct-drive device connected to and driving the screen carrier (24) to linearly move reciprocatingly at precisely controller speed. Therefore, gears, tooth racks and cams are saved to avoid printing inaccuracy caused by noise and backlash in tooth drive.

IPC 8 full level

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CPC (source: EP)

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