

Title (en)

Apparatus for intermittently driving endless belt in automatic screen printing machine.

Title (de)

Vorrichtung zum intermittierenden Antrieb des Endlosbandes in eine automatische Siebdruckmaschine.

Title (fr)

Dispositif pour entraîner par intermittance la bande sans fin dans un machine d'impression sérigraphique automatique.

Publication

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Application

EP 82300217 A 19820115

Priority

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Abstract (en)

Disclosed is an apparatus for intermittently driving an endless belt by two electric motors (5-1, 5-2) in an automatic screen printing machine, which comprises a pair of rollers (1, 2), an endless belt (3) supported on the rollers, a direct current electric motor (5-1, 5-2) for intermittently driving each roller and means (7, 8) for setting a repeat length of the endless belt while converting it to a pulse number, means (12-1, 12-2) for detecting the actual feed length of the endless belt as a pulse number and means (9, 10, 11) for subtracting the detected pulse number from the set pulse number to stop the endless belt at the repeat length corresponding to the set pulse number. A deviation comparing counter (14) is arranged between the two pulse generators and at least one digital servo mechanism to compare the detected pulse number from the pulse generator (12-1) on the pulling roller side with the detected pulse number from the pulse generator (12-2) on the feed-out roller side and correct and control inputs to the electric motors according to the deviation, whereby any difference of the position is not produced between the two rollers at any moment during any mode of starting, running and speed reduction and therefore, no tension for driving is imposed on the endless belt.

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B41F 15/085 (2013.01); **B41F 15/10** (2013.01)

Citation (search report)

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