Title (en)
METHOD OF CORRECTING REGISTER DEVIATIONS IN PRINTING DEVICES

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Application
EP 84400459 A 19840307

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Abstract (en)
[origin: EP0119138A1] 1. Process for correcting registration deviation in devices for printing on a moving web to be printed, which is at least slightly elastic, particularly rotary printing presses, comprising a certain number of printing stations each defining a line of print, in which, for a registration deviation (epsilon o) measured at a first printing station, the length of the path of the web is modified by modifying means, for a determined point of the web, between the line of print of the first station and the line of print of as second printing station disposed immediately upstream of the latter, by a length greater than this deviation (epsilon o), in which, after having modified the length of the path of web in a first direction, it is modified again and without dwell time in a second, opposite direction, characterized in that the modification of the length of the path of web in the first direction is effected at maximum speed of the means modifying the length of the path of the web during advance of a first portion of the web of length mi , and the modification of the length of the path of web in the second opposite direction is effected at maximum speed of the modifying means during advance of a second portion of the web of length (mo - mi), until the final modification of the length of the path is equal to the measured registration deviation (epsilon o) and from a position of the modifying means in the second direction such that the final modification (epsilon o) of the path be effected with cancellation of the registration deviation, mo and mi being given by the system of equations : e**kmo = 2 e**kmi - 1 2 mi - mo = K where e is the base of the natural logarithms and k and K are constants.

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