

Title (en)

Sheet curls reformer.

Title (de)

Apparat zum Glätten von Bahnen.

Title (fr)

Appareil pour supprimer la torsion dans les bandes.

Publication

**EP 0341970 A2 19891115 (EN)**

Application

**EP 89304666 A 19890509**

Priority

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Abstract (en)

The present invention provides an apparatus (13) for straightening sheet curls in which a wrap angle theta is provided for a sheet (20) wound off from a winding roll (19) by applying a decurler bar (31) to the sheet (20) between two backup rolls (32), the apparatus (13) comprising a wrap angle adjusting device (34) for adjusting the wrap angle (theta) of the sheet (20) by relatively displacing the backup rolls (32) and the decurler bar (31), and a controller (16) which serves to calculate an optimum wrap angle (theta) in accordance with changes in the diameter of the winding roll (19) using the logical equation:  $\theta = A/D <q> + B$  (wherein A, B, q are constants which are previously determined) from which the optimum wrap angle theta can be calculated for the diameter D of the winding roll (19), and to control the wrap angle adjusting device (34) on the basis of the results of this calculation. In consequence, the present invention is able to realize automatization of straightening of curls with a simple configuration and in a rapid and highly precise manner.

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