

Title (en)

SHOE ROLL SYSTEM AND METHOD FOR MONITORING THE TIGHTNESS OF A SHOE ROLL

Title (de)

SCHUHWALZENSYSTEM UND VERFAHREN ZUR ÜBERWACHUNG DER DICHTHEIT EINER SCHUHWALZE

Title (fr)

SYSTÈME DE ROULEAU À SABOT ET PROCÉDÉ POUR LA SURVEILLANCE DE L'ÉTANCHÉITÉ D'UN ROULEAU À SABOT

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Application

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Abstract (en)

[origin: WO2019170410A1] The invention relates to a shoe roll system for dewatering or smoothing a running fibrous web, in particular a paper or cardboard web within a machine for producing and/or finishing the fibrous web, comprising at least one shoe roll (1) having a circumferential press jacket (5), and a pressure measuring device (13) for determining the internal gas pressure in the shoe roll, a supply line (16) from a gas supply (10) to a gas inlet into the shoe roll, wherein the supply line has a regulating device (11) for adjusting the amount of gas delivered into the shoe roll, and wherein the shoe roll system has a monitoring device (15) designed to maintain the internal gas pressure at a predetermined target pressure by adjusting the gas delivery amount by means of the regulating device, and to send a signal, in particular to turn off the shoe roll system as soon as the gas delivery amount rises above a predetermined permissible value range. The invention further relates to a method for monitoring the tightness of a shoe roll.

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