

Title (en)

Rubber rolls and process for the conversion of the front sides.

Title (de)

Gummiwalze und Verfahren zur Umwandlung ihrer Zustandsform an den Stirnseiten der Gummiwalze.

Title (fr)

Rouleaux en caoutchouc et procédé pour la modification de la face avant.

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0345472A2] To guarantee the sealing of a rubber roll (1, 2, n) at its front sides (1.1, 2.1, n.1; 1.2) by means of sealing plates placed against these front sides over a prolonged period and at relatively high rotational speeds of the rubber roll, provision is made according to the invention for the rubber roll to have at its front sides a state achieved by means of UV-radiation, which state is between a rubber elastic and a glassy state. <??>Using a device operating according to the process according to the invention, the front sides of rubber rolls 1, 2, n having a Shore hardness of approximately 50 to 60 is subjected to a UV-radiation with a wavelength of approximately 300 to 400 nm for approximately 60 hours. The UV-radiation is thereby generated using a so-called black-light lamp (22), in which an output of approximately 0.1 watt is installed per square centimetre of a front side of a rubber roll, the black-light lamp being arranged at a distance (a) of the order of magnitude of 10 cm from the respective front side (1.1, 2.1. n.1; 1.2) to be irradiated. <IMAGE>

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