

Title (en)
CALENDER FOR MAKING SEALING GASKETS

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EP 0451494 A3 19920311 (DE)

Application
EP 91103201 A 19910304

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DE 4011410 A 19900409

Abstract (en)
[origin: EP0451494A2] The invention relates to a calender for making sealing gaskets, which has a motor-driven heating roll of large diameter mounted in non-displaceable bearings and an unheated pressing roll of smaller diameter which is driven by a separate motor and mounted in displaceable bearings against a pressing force. It is the object of the invention to provide a possibility of adjusting the circumferential speed of the rolls by permanent measurement of the gasket thickness as it is built up to obtain not only an exact synchronism of the roll circumferences but also a defined, controllable friction. The invention consists in that the two drive motors of the two rolls are controlled by a program-controlled processor, at whose one input is connected a travel sensor for the displacement of the axle or axle bearing of the pressing roll, at whose second input is connected a sensor for detecting the passing by of marks made on the heating roll or its drive shaft, at whose third input is connected a sensor for detecting the passing by of marks made on the pressing roll or its drive shaft, and at whose two outputs are connected control devices for the speed of the two motors for the roll drive.

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Citation (search report)

- [A] US 4810179 A 19890307 - CAVANAGH KENNETH M [US]
- [A] GB 1063731 A 19670330 - VERDIER ANDRE L
- [A] GB 2118332 A 19831026 - MITSUBISHI ELECTRIC CORP
- [X] KUNSTSTOFFE, Bd. 74, Nr. 11, November 1984, MUNCHEN, DE; Seiten 654 - 658; H. RENGSHAUSEN: 'RECHNERGESTEUERTES LABORMESSWALZWERK'
- [X] KAUSCHUK UND GUMMI - KUNSTSTOFFE, Bd. 39, Nr. 5, 1986, HEIDELBERG, DE; Seiten 413 - 419; M. GRONSTEDT: 'AUTOMATISIERUNG VON KALANDERLINIEN IN DER GUMMIINDUSTRIE'
- [A] WORLD PATENTS INDEX LATEST, Week 8734, Derwent Publications Ltd., London, GB; AN 87-240915 [34]; & SU-A-1 282 090 (ARKHIPOV A V) 7. Januar 1987

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