

Title (en)

Calender for making sealing sheets.

Title (de)

Kalander zur Herstellung von Dichtungsplatten.

Title (fr)

Calandre pour la fabrication de plaques d'étanchéité.

Publication

**EP 0451494 B1 19940601 (DE)**

Application

**EP 91103201 A 19910304**

Priority

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.

IPC 1-7

**B30B 15/26**; **B30B 3/04**

IPC 8 full level

**B29C 43/24** (2006.01); **B29C 43/58** (2006.01); **B30B 3/04** (2006.01); **B30B 15/26** (2006.01); **B29K 105/06** (2006.01); **B29L 7/00** (2006.01)

CPC (source: EP US)

**B30B 3/04** (2013.01 - EP US); **B30B 15/26** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0451494 A2 19911016**; **EP 0451494 A3 19920311**; **EP 0451494 B1 19940601**; DE 4011410 A1 19911010; DE 4011410 C2 19940609; DE 59101752 D1 19940707; JP H04226311 A 19920817; US 5318430 A 19940607

DOCDB simple family (application)

**EP 91103201 A 19910304**; DE 4011410 A 19900409; DE 59101752 T 19910304; JP 10382391 A 19910408; US 2279393 A 19930223