Title (en)

Web winding device

Title (de)

Vorrichtung zum Aufwickeln einer Bahn

Title (fr)

Dispositif pour enrouler une bande

Publication

EP 0593946 B1 19961127 (DE)

Application

EP 93115574 A 19930927

Priority

- DE 9214095 U 19921019
- DE 9216261 U 19921130

Abstract (en)

[origin: EP0593946A2] The present invention describes a device for winding a plastic film web with the aid of a driven winding core, a web-tension measurement roll, a driven contact roll which is arranged between the winding core and the web-tension measurement roll and, for contact winding, is adjustable against the forming film roll and, during gap winding, has a distance from the film roll, and with a control device for controlling the motors as a function of the feed rate of the web corresponding to the measured web-tension force in such a manner that the winding hardness of the winding roll is influenced in a predeterminable manner. With devices of this kind, plastic webs to be processed at a subsequent time, for example to form carrier bags or refuse sacks, can be wound. To make this possible, the rolls have to be wound so as to be as straight-edged as possible, that is to say the individual layers in the film rolls must not shift out or telescope out in the axial direction during winding. Winding is therefore carried out in such a manner that the winding hardness of the film rolls decreases from the inside outwards. In order, now, during central gap winding also, to be able to wind sensitive films to form film rolls in which the winding hardness is influenced in a manner corresponding to the more sensitive film types, the invention proposes that, during contact winding, the torque of the winding motor be controlled corresponding to the increasing roll diameter and the contact roll be driven with a speed corresponding to the web tension-force and that, during gap winding, the winding motor be controlled in its speed, corresponding to the measured web-tension force. <IMAGE>

IPC 1-7

B65H 23/195; B65H 23/198

IPC 8 full level

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CPC (source: EP US)

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Cited by

US5941473A; DE10342210A1; EP0755885A1; CN116040379A; DE102012009190A1; DE102012009190B4; EP1958905A3; DE19538155A1; CN113682866A; CN115140607A; US9731929B2; EP1958905A2

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DOCDB simple family (application)

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