

Title (en)

Device for operating a contact roller and process for operating a contact roller

Title (de)

Vorrichtung zum Betrieb einer Kontaktwalze und Verfahren zum Betrieb einer Kontaktwalze

Title (fr)

Dispositif pour faire fonctionner un cylindre contacteur et procédé pour faire fonctionner un cylindre contacteur

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2636623A1] The invention relates to a device and process for operating at least one contact roller (1) in contact with a take-up roller (0) or with a polymer film bale (0') wound to the take-up roller (0), preferably in a plant for stretching a polymer film which is, after the stretching step, wound to said take-up roller (0) rotatable around a rotational axis, said at least one contact roller (1) being rotatable around a rotational axis arranged parallel to the take-up roller's rotational axis, being supported movably by variable distances perpendicular relative to the take-up roller's rotational axis and providing for a permanent application of a predetermined pressure to the polymer film (2) during said winding to the take-up roller or polymer film bale (0') along a contact line being parallel to the axes of the take-up and contact rollers (0, 1) and on the surface of the contact roller (1) and take-up roller (0) or polymer film bale, said device comprising a direct gearless-drive motor means (10) for exerting a rotational drive force around a motor axis (11); said motor axis (11) being substantially parallel to the axes of the contact and take-up rollers (0, 1) and being capable of actuating force transmission means (20) by its rotational movement; said force transmission means (20) being connected to and actuated by said motor means (10) and transforming the rotational drive force exerted by the axis (11) of the direct gearless-drive motor means (10) into a translational drive force substantially perpendicular to the motor axis (11); and said force transmission means (20) being capable of transmitting said translational drive force to the contact roller (1), thereby moving the contact roller (1) towards, or away from, the take-up roller (0).

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