

Title (en)

METHOD AND DEVICE FOR ADJUSTING THE CONTACT FORCE OF A PRESSURE ROLL ON A PRODUCT GUIDE ROLL

Title (de)

VERFAHREN UND EINRICHTUNG ZUR REGELUNG DER ANPRESSKRAFT EINER ANPRESSWALZE AN EINE WARENFÜHRUNGSWALZE

Title (fr)

PROCEDE ET DISPOSITIF POUR REGULER LA FORCE D'APPLICATION D'UN CYLINDRE DE PRESSION SUR UN CYLINDRE DE GUIDAGE DE PRODUIT

Publication

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Application

EP 04786758 A 20040914

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Abstract (en)

[origin: WO2005030626A2] The aim of the invention is to prevent a pre-defined target contact force of a contact roll, which can be pressed against a product guide roll with the aid of at least one pneumatically driven piston-cylinder unit, from being exceeded. To achieve this, the invention discloses a device for adjusting the contact force of the pressure roll, comprising dual-arm pivoting levers (6), which are located at a distance from one another and are mounted about a common fulcrum (7). According to the invention, the pressure roll (5) is rotatably mounted on one end of the pivoting lever and at least one piston-cylinder unit (4) acts on the pivoting lever (6), in order to bring the pressure roll (5) into contact with the product guide roll (3) and to release said contact. A force of a stationary pressure body (10), which can be subjected to a pressure, acts on the other end of the pivoting lever (6) in opposition to the contact force of the pressure roll (5), to limit the intensity of the contact force.

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