

Title (en)

DEVICES FOR ADJUSTING CONTACT PRESSURE EXERTED ON AN ADJACENT ROTATING BODY BY A ROLLER IN A ROLLER STRIP AND/OR FOR ARRANGING THE ROLLER ON THE ROTATIONAL BODY AND/OR FOR DISCONNECTING THE CYLINDER FROM THE ROTATING BODY

Title (de)

VORRICHTUNGEN ZUM EINSTELLEN EINER VON EINER WALZE IN EINEM WALZENSTREIFEN AUF EINEN BENACHBARTEN ROTATIONSKÖRPER AUSGEÜBTEN ANPRESSKRAFT UND/ODER ZUM ANSTELLEN DER WALZE AN DEN ROTATIONSKÖRPER UND/ODER ZUM ABSTELLEN DER WALZE VON DEM ROTATIONSKÖRPER

Title (fr)

DISPOSITIFS DESTINES A REGLER UNE FORCE DE PRESSION EXERCEE PAR UN ROULEAU SUR UN CORPS ROTATIF ADJACENT AU NIVEAU D'UNE BANDE DE ROULEAU ET/OU A SERRER LE ROULEAU CONTRE LE CORPS ROTATIF ET/OU A DESERRER CE ROULEAU DUDIT CORPS ROTATIF

Publication

EP 1708885 B1 20130904 (DE)

Application

EP 05707875 A 20050128

Priority

- EP 2005050359 W 20050128
- DE 102004004665 A 20040130

Abstract (en)

[origin: WO2005072965A1] The invention relates to devices which are used to adjust contact pressure exerted on an adjacent rotating body (12, 13, 14, 16, 17) by means of a roller (4, 06, 07, 08, 09, 11) in a roller strip (N11, N12, N21, N31, N32; N41, N42, N51, 52, N61, N62) and/or for arranging the roller on the rotating body and/or for disconnecting the roller (04, 06, 07, 08, 09, 11) from the rotational body. The roller is mounted with the ends (18) of the axis thereof, respectively, in a roller lock (21) comprising several actuators (22) which act upon the roller. The actuators are impinged upon by a pressure means (41) which can be controlled in the pressure level (42). The actuators and, preferably, also the roller lock have an identification characteristic (m, n), such that for a selected roller lock, the contact pressure of a control unit, which can be actuated from a distance, exerted on the adjacent rotating body can be adjusted by means of the actuators thereof due to the influence of the pressure level (42).

IPC 8 full level

B41F 7/40 (2006.01); **B41F 13/34** (2006.01); **B41F 13/36** (2006.01); **B41F 13/40** (2006.01); **B41F 31/36** (2006.01); **B41F 33/14** (2006.01)

CPC (source: EP US)

B41F 7/40 (2013.01 - EP US); **B41F 13/34** (2013.01 - EP US); **B41F 13/36** (2013.01 - EP US); **B41F 13/40** (2013.01 - EP US); **B41F 31/36** (2013.01 - EP US); **B41F 33/14** (2013.01 - EP US)

Cited by

DE102015008375A1; EP3115204A1; US9849666B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005072965 A1 20050811; DE 102004004665 A1 20050825; DE 102004004665 B4 20051229; EP 1708885 A1 20061011; EP 1708885 B1 20130904; US 2008163771 A1 20080710; US 7703393 B2 20100427

DOCDB simple family (application)

EP 2005050359 W 20050128; DE 102004004665 A 20040130; EP 05707875 A 20050128; US 58729306 A 20060725