

Title (en)

Electrical security device for a clamping device in a sheet transfer drum of a printing press.

Title (de)

Vorrichtung zur elektrischen Absicherung einer Klemmvorrichtung in einer Bogenführungstrommel von Druckmaschinen.

Title (fr)

Dispositif électrique de sécurité d'un système d'accouplement de tambour de transfert de feuilles dans une presse.

Publication

EP 0377857 B1 19940601 (DE)

Application

EP 89123271 A 19891215

Priority

DE 3900820 A 19890113

Abstract (en)

[origin: EP0377857A2] The electrical safeguard device for a clamping device is represented on a sheet transfer drum for printing machines for optional first impression printing or perfecting. The actuating member (27) of the clamping device is arranged so that it can be screwed axially between end positions by a thread, the screwing movement on a first portion actuating a switching member (28) for an electric switch (30) lying in the power supply circuit for the drive of the printing machine. During its movement on a second portion, the actuating member (27) acts on intermediate elements which press at least one friction surface on the sheet transfer drum against a friction surface on a part of the sheet transfer drum which is adjustable in the circumferential direction. The end positions are limited by stops consisting of a cam (32) on the actuating member (27) and two cams (33a, 33b) on a part of the machine which is arranged fixedly in terms of rotation, the two cams (33a, 33b) each being assigned to an end position and having a spacing in the direction of the axial displacement of the actuating member (27), which spacing is greater than the pitch of the thread, and the axial covering of the cam (32) on the actuating member (27) by one of the two other cams (33a, 33b) in the stop position being smaller than the pitch of the thread. <IMAGE>

IPC 1-7

B41F 21/10; **B41F 13/00**

IPC 8 full level

B41F 13/00 (2006.01); **B41F 21/10** (2006.01)

CPC (source: EP US)

B41F 21/106 (2013.01 - EP US)

Cited by

EP0578960B1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

DE 3900820 C1 19900510; AU 4591089 A 19900719; AU 627247 B2 19920820; CA 2003824 A1 19900713; CA 2003824 C 19940726; DE 58907781 D1 19940707; DK 9690 A 19900714; DK 9690 D0 19900112; EP 0377857 A2 19900718; EP 0377857 A3 19910403; EP 0377857 B1 19940601; ES 2054999 T3 19940816; JP H03178437 A 19910802; JP H0790633 B2 19951004; US 5069126 A 19911203

DOCDB simple family (application)

DE 3900820 A 19890113; AU 4591089 A 19891205; CA 2003824 A 19891124; DE 58907781 T 19891215; DK 9690 A 19900112; EP 89123271 A 19891215; ES 89123271 T 19891215; JP 466390 A 19900116; US 46580490 A 19900116