

Title (en)

Device for fastening and tensioning printing plates with Z-formed ends

Title (de)

Vorrichtung zum Befestigen und Spannen von Druckplatten mit "Z"-förmig abgekanteten Enden

Title (fr)

Dispositif de fixation et de tension de plaques d'impression avec des extrémités en forme de Z

Publication

EP 0686504 A2 19951213 (DE)

Application

EP 95108794 A 19950608

Priority

DE 4420314 A 19940610

Abstract (en)

The printing plate (8) has edges bent into a Z-shape which hook over movable sharp edges (2,3) on either side of a groove in the printing cylinder (1). There is a trapezoid-section bar (21) which can engage the second bends on the ends of the Z-shaped ends of the printing plate. When the printing plate is fitted, cylinders to which the sharp edged (2,3) wedges are attached are rotated to bring these edges away from the centre of the big roller (1) and away from each other. After the first sharp bends in the plate are hooked over the edges, the edges are rotated toward each other to tension the plate. The trapezoid section bar is moved to trap the ends of the plate against the inside surfaces of the wedges. The wedges and small cylinders are shaped to present a smooth cylindrical outer surface when the ends of the printing plate are clamped.

Abstract (de)

Bei einer Vorrichtung zum Befestigen und Spannen von Druckplatten besteht die Aufgabe darin, Druckplatten mit "Z"-förmig abgekanteten Enden zu verwenden und die Druckplatte exakt der Zylinderkontur anzupassen. Erfindungsgemäß wird dies mit schwenkbaren Einhängekanten, deren äußere Flächen die Zylinderkontur aufweisen, in Verbindung mit einer bewegbaren, trapezförmigen Leiste erreicht.

IPC 1-7

B41F 27/12

IPC 8 full level

B41F 27/00 (2006.01); **B41F 27/12** (2006.01)

CPC (source: EP US)

B41F 27/1281 (2013.01 - EP US); **B41F 27/1293** (2013.01 - EP US)

Citation (applicant)

- EP 0124008 A2 19841107 - FRANKENTHAL AG ALBERT [DE]
- DE 1121073 B 19620104 - LEVEY FRED K H CO INC

Cited by

EP1566269A1; US7134394B2; WO2006136047A3

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

US 5566615 A 19961022; DE 4420314 A1 19951214; DE 4420314 C2 19990204; DE 59504036 D1 19981203; EP 0686504 A2 19951213; EP 0686504 A3 19961218; EP 0686504 B1 19981028; JP 2736238 B2 19980402; JP H0839781 A 19960213

DOCDB simple family (application)

US 48954395 A 19950609; DE 4420314 A 19940610; DE 59504036 T 19950608; EP 95108794 A 19950608; JP 14218095 A 19950608