

Title (en)

Gripper finger of a sheet-fed printing machine gripper shaft.

Title (de)

Greiferfinger einer Greiferwelle einer Bogendruckmaschine.

Title (fr)

Doigt de pince d'un arbre à pinces d'une machine d'impression alimentée en feuilles.

Publication

EP 0476244 A1 19920325 (DE)

Application

EP 91110641 A 19910627

Priority

DE 4026237 A 19900818

Abstract (en)

[origin: US5199757A] A gripper finger for a gripper spindle in a sheet-fed printing press includes first and second components. The first component has a gripper finger extension which contacts a gripper finger support at a transfer point. The first and second components cooperate to form an enclosure angle for enclosing the gripper spindle, with the first component contributing a maximum of 180 degrees to the enclosure angle and the second component supplementing the enclosure angle. The second component is fastened to the gripper spindle. A first compression spring is disposed between the ends of the first and second for exerting an adjustable, first spring force approximately in a direction of the transfer point. An adjustment screw is threadably engaged with one of the components and has a tip which lies against the supporting plane of the other component for exerting a screw force approximately in a direction of the transfer point. The first spring force and the screw force combine to form a resultant force in the direction of a line connecting the center point of the gripper spindle and the transfer point. A second compression spring clamped between the first component and the gripper spindle urges the first component against the gripper finger with a force greater than the first spring force and in a direction which essentially coincides with the direction of the resultant force.

Abstract (de)

Beschrieben wird ein Greiferfinger einer Greiferwelle (1) einer Bogendruckmaschine, der zweiteilig (5), (6) ausgebildet ist derart, daß er leicht montiert und demontiert werden kann. In den verschiedenen Betriebszuständen tritt praktisch kein Spielwechsel auf. Das Greiferlager liegt immer in der Papierzugrichtung der aktiven Lagerfläche an der Greiferwelle. Es ist ein selbsttätiger Spielausgleich beim Verschleifen der Greiferlagerfläche bzw. der Greiferwelle vorgesehen. <IMAGE>

IPC 1-7

B41F 21/10

IPC 8 full level

B41F 21/04 (2006.01); **B41F 21/10** (2006.01)

CPC (source: EP US)

B41F 21/104 (2013.01 - EP US)

Citation (search report)

- [AD] DE 3623405 A1 19880204 - MILLER JOHANNISBERG DRUCKMASCH [DE]
- [AD] DE 3632768 C1 19880114 - ROLAND MAN DRUCKMASCH

Cited by

EP0631867A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

US 5199757 A 19930406; AT E105778 T1 19940615; DE 4026237 C1 19920206; DE 59101660 D1 19940623; EP 0476244 A1 19920325; EP 0476244 B1 19940518; JP H04234653 A 19920824; JP H0751351 B2 19950605

DOCDB simple family (application)

US 74696991 A 19910819; AT 91110641 T 19910627; DE 4026237 A 19900818; DE 59101660 T 19910627; EP 91110641 A 19910627; JP 21649091 A 19910802