Title (en)
  Printing cylinder for rotary printing press.

Title (de)
  Druckwerkszylinder für Rotationsdruckmaschinen.

Title (fr)
  Cylindre d'impression pour presse rotative.

Publication
  EP 0430006 B1 19940309 (DE)

Application
  EP 90122043 A 19901117

Priority
  • DE 3939725 A 19891201
  • DE 4034767 A 19901102

Abstract (en)
  [origin: JPH03182354A] PURPOSE: To guarantee an effective vibration absorption in an area of a cylinder gap by dividing a gap strip into individual areas by a slit extended laterally, and allocating the slit of a longitudinal direction to the area so that a profile of the strip is elastically jumped up at the time of bringing two gap strips into contact with one another. CONSTITUTION: Slits 15, 16 of a longitudinal direction are allocated to individual areas in the longitudinal direction of a gap strip 7, and respective lengths are calculated according to a predetermined supporting pressure. A slit 13 extended in a lateral direction is brought into contact with the slit 15 of the longitudinal direction, and hence a profile 17 of the strip 1 can be elastically jumped up by itself. At a terminating area 18, the slit 16 of the longitudinal direction is longer than an intermediate of the strip 7, and hence a supporting pressure is lowered. The profile 17 can be self-adapted to a warp of a cylinder. Since two cooperative gap strips 7, 11 are projected before a midline of the two cylinders 1, 3, the pressure is accumulated before tee cylinder gap so that a disadvantageous vibration is avoided.

IPC 1-7
  B41F 27/12; B41F 13/08

IPC 8 full level
  B41F 30/00 (2006.01); **B41F 13/08** (2006.01); **B41F 27/12** (2006.01)

CPC (source: EP US)
  B41F 27/1293 (2013.01 - EP US)

Designated contracting state (EPC)
  DE FR GB

DOCDB simple family (publication)
  EP 0430006 A2 19910605; **EP 0430006 A3 19911009**; **EP 0430006 B1 19940309**; CA 2030626 A1 19910602; CA 2030626 C 19950404; CN 1018810 B 19921028; CN 1052078 A 19910612; DE 4034767 A1 19910606; DE 4034767 C2 19921029; DE 59004895 D1 19940414; JP H03182354 A 19910808; JP H0753448 B2 19950607; US 5090319 A 19920225

DOCDB simple family (application)
  EP 90122043 A 19901117; CA 2030626 A 19901122; CN 90109474 A 19901129; DE 4034767 A 19901102; DE 59004895 T 19901117; JP 33081490 A 19901130; US 62166590 A 19901203