

Title (en)  
Cylinders for printing units of rotary presses.

Title (de)  
Zylinder für Druckwerke von Rotationsdruckmaschinen.

Title (fr)  
Cylindres pour groupes d'impression de presses rotatives.

Publication  
**EP 0053277 A1 19820609 (DE)**

Application  
**EP 81108967 A 19811027**

Priority  
DE 3045384 A 19801202

Abstract (en)  
1. Cylinder for printing units of rotary presses with cylinder bearers (3, 10) provided at either side in contact with the cylinder end faces (4), said cylinder bearers (3, 10) being mounted on the cylinder (1) centralized with respect to the latter's rotation axis by means of a conical centering ring surface (7), wherein on the side facing the cylinder (1) and starting from its cylindrical bore (11) the cylinder bearer (3) exhibits the conical centering ring surface (7) with which it is centered by axial pressure on a centering edge (6) of a cylindrical centering ring (5) adjacent to the cylinder end face (4).

Abstract (de)  
Die Erfindung bezieht sich auf Zylinder (1) für Druckwerke von Rotationsdruckmaschinen mit beidseits an den Zylinderstirnflächen (4) vorgesehenen Schmitzringen (3, 10), die am Zylinder (1) zu dessen Drehachse zentriert befestigt sind. Die Zentrierung derselben erfolgt unbeeinflusst durch elastische Verformungen im Bereich der Achszapfen (2).

IPC 1-7  
**B41F 13/20**

IPC 8 full level  
**B41F 13/08** (2006.01); **B41F 13/20** (2006.01); **B41F 13/21** (2006.01); **B41F 13/24** (2006.01); **B41F 13/26** (2006.01)

CPC (source: EP)  
**B41F 13/21** (2013.01)

Citation (search report)  
• [Y] DE 2701637 A1 19780720 - MASCHF AUGSBURG NUERNBERG AG  
• [Y] FR 426673 A 19110712 - GRAFTON FRANCAIS LTD ETS [FR], et al  
• [AD] DE 2847880 A1 19800522 - MASCHF AUGSBURG NUERNBERG AG  
• [A] DE 2910391 A1 19800925 - SKF KUGELLAGERFABRIKEN GMBH  
• G.NIEMANN: "Maschinenelemente", Erster Band, 1955, Springer Verlag Berlin/Gottingen Heidelberg, DE.  
• [A] G. NIEMANN: "Maschinenelemente", Erster Band, 1955, Spriger Verlag Berlin/Gottingen/Heidelberg, DE.

Cited by  
EP0182326A3; US4690052A; EP2241441A1; CN101863158A; US4640190A; CN102092176A; CN103723538A

Designated contracting state (EPC)  
AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0053277 A1 19820609; EP 0053277 B1 19840912**; AR 228882 A1 19830429; AT E9296 T1 19840915; AU 547711 B2 19851031; AU 7739981 A 19820610; CA 1180225 A 19850102; DE 3045384 A1 19821216; DE 3166070 D1 19841018; DK 148790 B 19850930; DK 148790 C 19860324; DK 521581 A 19820603; ES 507203 A0 19821101; ES 8300288 A1 19821101; JP S57117957 A 19820722; JP S647584 B2 19890209; NO 151695 B 19850211; NO 151695 C 19850522; NO 814091 L 19820603; ZA 817614 B 19821027

DOCDB simple family (application)  
**EP 81108967 A 19811027**; AR 28761081 A 19811127; AT 81108967 T 19811027; AU 7739981 A 19811111; CA 389486 A 19811105; DE 3045384 A 19801202; DE 3166070 T 19811027; DK 521581 A 19811124; ES 507203 A 19811117; JP 19189981 A 19811201; NO 814091 A 19811201; ZA 817614 A 19811104