

Title (en)  
Circumferential and lateral register adjustment device of the plate cylinder

Title (de)  
Vorrichtung zum umfänglichen und seitlichen Verstellen des Plattenzylinders

Title (fr)  
Dispositif pour régler la position circonférentielle et latérale du cylindre porte-plaque

Publication  
**EP 0741015 A3 19971001 (DE)**

Application  
**EP 96104952 A 19960328**

Priority  
US 43593295 A 19950505

Abstract (en)  
[origin: US5651314A] In a rotary printing press, an apparatus for adjusting the lateral and circumferential position of the plate cylinder is provided. The apparatus includes a sleeve having an inner surface with threads disposed thereon; a shaft disposed within the sleeve, and connected to the machine element such that when the shaft moves laterally the machine element is moved laterally, the shaft having an outer surface with threads disposed thereon which engage the threads disposed on the inner surface of the shaft; a gear assembly coupled to the sleeve, such that a rotational movement of the sleeve causes a circumferential movement of the machine element; a first drive for rotating the shaft, such that when the shaft is rotated, the shaft moves the machine element laterally; and a second drive for rotating the sleeve, such that when the sleeve is rotated, the sleeve moves the gear, and the gear rotates the machine element circumferentially.

IPC 1-7  
**B41F 13/14**; **F16H 19/00**

IPC 8 full level  
**B41F 13/12** (2006.01); **B41F 13/14** (2006.01); **B41F 33/14** (2006.01)

CPC (source: EP US)  
**B41F 13/14** (2013.01 - EP US); **Y10T 74/1956** (2015.01 - EP US)

Citation (search report)

- [X] DE 4407691 A1 19940915 - SCANDRIVE HALLSTAHAMMAR AB [SE]
- [X] EP 0262298 A2 19880406 - ROCKWELL INTERNATIONAL CORP [US]
- [X] DE 2705522 A1 19781116 - HEIDELBERGER DRUCKMASCH AG
- [X] DE 2642125 A1 19770331 - MILLER WESTERN CORP
- [X] GB 599979 A 19480325 - GOSS PRINTING PRESS CO LTD
- [X] US 2425914 A 19470819 - BLACKLEY JAMES L, et al

Cited by  
EP1162064A3

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**US 5651314 A 19970729**; CA 2175844 A1 19961106; CA 2175844 C 19990622; DE 59602767 D1 19990923; EP 0741015 A2 19961106; EP 0741015 A3 19971001; EP 0741015 B1 19990818; JP H08300606 A 19961119; US 5535675 A 19960716

DOCDB simple family (application)  
**US 66899496 A 19960621**; CA 2175844 A 19960506; DE 59602767 T 19960328; EP 96104952 A 19960328; JP 11176296 A 19960502; US 43593295 A 19950505