

Title (en)

Apparatus for transversally separating a paper web

Title (de)

Vorrichtung zum Quertrennen einer Papierbahn

Title (fr)

Dispositif pour la séparation transversale d'une bande de papier

Publication

**EP 0693377 A1 19960124 (DE)**

Application

**EP 95110979 A 19950713**

Priority

DE 4425662 A 19940720

Abstract (en)

[origin: JPH0852688A] PROBLEM TO BE SOLVED: To provide a device for laterally cutting a paper web with a rotary shaft having a slit in which the paper web is passed, wherein the shaft is provided to be movable in the opposite direction of a web transfer direction for highly reliably cutting and removing the paper web. SOLUTION: A device is provided in a rotary press in which a paper web 6 is passed while being transferred with the thrust of two cylinders 3, 4. A rotary shaft 18 is provided with a slit 22 somewhat longer than the width of the paper web for transverse cutting. The shaft 18 is rotatably supported by right and left side frames and arranged near wedged move-in portions 1 of both cylinders 3, 4 in the travelling direction of the paper web. The shaft 18 is provided to be movable in the opposite direction of a web transfer direction. The shaft body 21 of the shaft 18 is provided with a sectionally C-shaped through-hole 61 at one end of the slit 22 for passing and guiding a paper web pull-in means including a roller chain therethrough to improve the treatment efficiency of the paper web.

Abstract (de)

Mittels einer Vorrichtung zum Quertrennen einer Papierbahn können Stopfer oder Wickler an Rotationsdruckmaschinen dadurch vermieden werden, daß vor dem Einlaufzwickel von Zylinder eine zum Durchlaß einer laufenden Papierbahn geschlitzte Welle angeordnet ist, die zusätzlich und gleichzeitig zu einer Wickel-Drehbewegung eine Bewegung entgegen der Produktions-Laufrichtung der Papierbahn ausführbar angeordnet ist.  
<IMAGE>

IPC 1-7

**B41F 33/06**; B65H 26/02

IPC 8 full level

**B26D 1/34** (2006.01); **B26F 3/02** (2006.01); **B41F 13/02** (2006.01); **B41F 33/06** (2006.01); **B41F 33/18** (2006.01); **B65H 26/02** (2006.01)

CPC (source: EP US)

**B26F 3/02** (2013.01 - EP US); **B41F 13/02** (2013.01 - EP US); **B41F 33/18** (2013.01 - EP US); **B41P 2233/21** (2013.01 - EP US)

Citation (applicant)

- DE 3142089 A1 19820729 - POLYGRAPH LEIPZIG [DD]
- DE 4202713 A1 19930805 - KOENIG & BAUER AG [DE]

Citation (search report)

- [A] DE 3437455 A1 19860424 - KOTTERER WERNER J
- [DA] DE 3142089 A1 19820729 - POLYGRAPH LEIPZIG [DD]
- [A] US 2528713 A 19501107 - ROBERT THOMSON WILLIAM
- [A] GB 2263437 A 19930728 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] FR 2210140 A5 19740705 - WINDMOELLER & HOELSCHER [DE]

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Designated contracting state (EPC)

CH DE FR GB IT LI SE

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**DE 4425662 C1 19951116**; DE 59501149 D1 19980205; EP 0693377 A1 19960124; EP 0693377 B1 19971229; JP 2735815 B2 19980402; JP H0852688 A 19960227; US 5582359 A 19961210

DOCDB simple family (application)

**DE 4425662 A 19940720**; DE 59501149 T 19950713; EP 95110979 A 19950713; JP 18189895 A 19950718; US 50441995 A 19950720