

Title (en)  
Cutting device with adjustable cutting length

Title (de)  
Schneidevorrichtung mit variabler Abschnittslänge

Title (fr)  
Dispositif de coupe à longueur réglable

Publication  
**EP 1116560 A3 20041020 (DE)**

Application  
**EP 00126454 A 20001207**

Priority  
US 48164000 A 20000112

Abstract (en)  
[origin: EP1116560A2] Cutter device with variable section length has a cutter cylinder (3) and a transfer cylinder (4) that is used with the cutter cylinder to cut signatures of a chosen length and that rotates around a middle axis (12). On the periphery of the transfer cylinder (4) is an adjustable diameter section that connects to the transfer cylinder and that can be moved to and fro towards the cylinder axis (12) to change the signature length. The adjustable section comprises a roller (9) that can be moved to and fro towards the cylinder axis (12). An Independent claim is made for a folding apparatus in a rotary printer for generating signatures of variable length.

IPC 1-7  
**B26D 7/20**; **B65H 45/16**

IPC 8 full level  
**B42C 19/04** (2006.01); **B26D 1/40** (2006.01); **B26D 7/20** (2006.01); **B26D 7/26** (2006.01); **B65H 35/08** (2006.01); **B65H 45/28** (2006.01)

CPC (source: EP US)  
**B26D 1/405** (2013.01 - EP US); **B26D 7/20** (2013.01 - EP US); **B26D 7/2628** (2013.01 - EP US); **B26D 7/265** (2013.01 - EP US); **B65H 35/08** (2013.01 - EP US); **B65H 45/28** (2013.01 - EP US); **B26D 2007/202** (2013.01 - EP US); **B65H 2511/11** (2013.01 - EP US); **B65H 2511/14** (2013.01 - EP US); **Y10T 83/4838** (2015.04 - EP US)

Citation (search report)  
• [XAY] CH 250235 A 19470815 - KUSTNER FRERES CIE SA [CH]  
• [YA] DE 19522903 A1 19970102 - ROLAND MAN DRUCKMASCH [DE]  
• [XY] US 5846177 A 19981208 - MAYR REINHARD [DE]

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1116560 A2 20010718**; **EP 1116560 A3 20041020**; **EP 1116560 B1 20070822**; DE 10060758 A1 20010719; DE 50014584 D1 20071004; JP 2001233545 A 20010828; JP 4800490 B2 20111026; US 7338425 B1 20080304

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