

Title (en)  
RECIPROCATING APPLICATION ROLLERS

Publication  
**EP 0418778 A3 19910731 (DE)**

Application  
**EP 90117853 A 19900917**

Priority  
DE 3931291 A 19890920

Abstract (en)  
[origin: US5119726A] An oscillating forme roller which is unseable in an inking unit of a rotary printing machine has a rotatable and axially oscillating mantle tube carried on a roller axle. Stops are used at either end of the axle to prevent oscillation of the mantle tube. At least one of these stops is moveable axially to selectively prevent or allow the axial movement of the mantle tube.

IPC 1-7  
**B41F 31/14**

IPC 8 full level  
**B41F 31/10** (2006.01); **B41F 31/14** (2006.01); **B41F 31/15** (2006.01); **B41F 31/26** (2006.01)

CPC (source: EP US)  
**B41F 31/15** (2013.01 - EP US); **Y10S 101/38** (2013.01 - EP US)

Citation (search report)

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- [Y] DE 3800658 A1 19890727 - KOTTERER GRAFOTEC [DE]
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- [A] US 4509426 A 19850409 - HARDIN PHILIP J [US]
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- [X] PATENT ABSTRACTS OF JAPAN vol. 6, no. 184 (M-157)(1062) 21 September 1982, & JP-A-57 93150 (DAINIPPON INSATSU K.K.) 10 Juni 1982,

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Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**US 5119726 A 19920609**; CS 453490 A3 19920916; DD 295803 A5 19911114; DE 3931291 C1 19910418; DE 59010272 D1 19960515; DE 59010869 D1 19990527; EP 0418778 A2 19910327; EP 0418778 A3 19910731; EP 0418778 B1 19960410; EP 0668163 A2 19950823; EP 0668163 A3 19960724; EP 0668163 B1 19990421; JP H03118157 A 19910520; JP H07102690 B2 19951108; RU 1836236 C 19930823

DOCDB simple family (application)  
**US 57683290 A 19900904**; CS 453490 A 19900918; DD 34408190 A 19900918; DE 3931291 A 19890920; DE 59010272 T 19900917; DE 59010869 T 19900917; EP 90117853 A 19900917; EP 95103752 A 19900917; JP 24764590 A 19900919; SU 4831024 A 19900919