

Title (en)  
DEVICE FOR RECIPROCATING AN INKING ROLLER AXIALLY

Publication  
**EP 0023628 B1 19830525 (DE)**

Application  
**EP 80104137 A 19800716**

Priority  
DE 2931141 A 19790801

Abstract (en)  
[origin: ES8104075A1] Device for axially reciprocating a printing-unit roller having a stationary shaft and a roller jacket rotatably driven by friction drive, the device being disposed within the printing-unit roller and being driven by rotational movement of the printing-unit roller, including drive means for effecting axial reciprocation of the printing-unit roller at a speed reduced with respect to the rotational speed of the printing-unit roller including two roller bearings disposed within the printing-unit roller between the roller jacket and the shaft, a first bushing revolving as a cage associated with the roller bearings and being formed with a first groove, a second bushing fixed in the roller jacket and formed with a second groove, one of the grooves being of elliptic form, and a ball being received simultaneously in both of the grooves and being rollable therein.

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

IPC 8 full level  
**B41F 31/14** (2006.01); **B41F 31/30** (2006.01); **B41F 31/15** (2006.01); **F16H 25/12** (2006.01)

CPC (source: EP US)  
**B41F 31/15** (2013.01 - EP US); **Y10S 101/38** (2013.01 - EP US); **Y10T 74/18312** (2015.01 - EP US)

Cited by  
EP0223020A3; EP0143240A1

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

DOCDB simple family (publication)  
**EP 0023628 A1 19810211; EP 0023628 B1 19830525**; AT E3519 T1 19830615; DE 2931141 A1 19810205; DE 2931141 B2 19810521; DE 2931141 C3 19820128; DE 3063492 D1 19830707; ES 493826 A0 19810401; ES 8104075 A1 19810401; IT 1132237 B 19860625; IT 8023666 A0 19800724; JP S5624169 A 19810307; JP S588994 B2 19830218; US 4337699 A 19820706

DOCDB simple family (application)  
**EP 80104137 A 19800716**; AT 80104137 T 19800716; DE 2931141 A 19790801; DE 3063492 T 19800716; ES 493826 A 19800730; IT 2366680 A 19800724; JP 10444780 A 19800731; US 17376380 A 19800730