

Title (en)  
CARTRIDGE FOR AN INKED RIBBON WITH A RE-INKING DEVICE

Publication  
**EP 0313245 B1 19930107 (EN)**

Application  
**EP 88309443 A 19881010**

Priority  
IT 6787287 A 19871020

Abstract (en)  
[origin: EP0313245A2] A re-inking device (11) is applied to a cartridge (12) of the type comprising a container (13) having a magazine (34) for accommodating an inked ribbon (32) of the closed loop type disposed in loosely arranged turns, and a pair of toothed rollers (43) for unidirectional feed of the ribbon (32). The re-inking device (11) comprise an ink reservoir (51) which is housed in a closed casing (53) fixed removably in the interior of the container (13), and an ink metering means (52) having an internal portion and an external portion. The internal portion is inserted by way of an aperture (74) into the interior of the casing (53) and is held in contact with the reservoir (51); the external portion is in contact with the rounded external surface of the teeth (76) of an inking roller (42). The inking roller (42) is always engaged with a drive roller (78) of the pair of rollers (43). A guide bush (41) directs the ribbon (32) towards the teeth (76); the ink (50) passes from the metering means (52) to the rounded surface of the teeth (76). The teeth (76) in turn transfer the ink (50) to the ribbon (32) which is engaged with the rollers (43). The metering means (52), the inking roller (42) and the ribbon (32) are of the same height, thus providing for uniform re-inking of the ribbon (32) during the feed of the ribbon.

IPC 1-7  
**B41J 31/16; B41J 32/02**

IPC 8 full level  
**B41J 31/16** (2006.01); **B41J 32/02** (2006.01)

CPC (source: EP)  
**B41J 31/16** (2013.01); **B41J 32/02** (2013.01)

Cited by  
EP0417488A1; US5820278A; EP0428123A1; US5145268A; WO9532870A1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB LI NL

DOCDB simple family (publication)  
**EP 0313245 A2 19890426; EP 0313245 A3 19890830; EP 0313245 B1 19930107**; AT E84259 T1 19930115; CA 1334564 C 19950228; DE 3877319 D1 19930218; DE 3877319 T2 19930722; ES 2038306 T3 19930716; IT 1211410 B 19891018; IT 8767872 A0 19871020; ZA 887793 B 19890726

DOCDB simple family (application)  
**EP 88309443 A 19881010**; AT 88309443 T 19881010; CA 579581 A 19881007; DE 3877319 T 19881010; ES 88309443 T 19881010; IT 6787287 A 19871020; ZA 887793 A 19881019