

Title (en)  
DOCTOR BLADE DEVICE

Publication  
**EP 0324139 A3 19900808 (DE)**

Application  
**EP 88121337 A 19881221**

Priority  
DE 3800411 A 19880109

Abstract (en)  
[origin: EP0324141A2] Below the raster roller (3) is a doctor blade carrier (9) with a blade (11) on the leading side and a second one (12) on the trailing side. The region between them is sunken to form an ink wall (13) for the bottom of the roller. Preceding the leading blade (11) is a space (41) forming a small auxiliary wall which applies ink to the bottom of the roller. The auxiliary wall is connected by an overflow opening (24) to the larger wall, which is under pressure. The opening can be formed by holes through the leading blade from end to end. The auxiliary wall is between the leading blade and a blocking sheet (40), and forms an overflow, with a drip channel (14) underneath.

IPC 1-7  
**B41F 31/04**

IPC 8 full level  
**B41F 31/02** (2006.01); **B41F 31/04** (2006.01); **B41F 31/08** (2006.01)

CPC (source: EP US)  
**B41F 31/027** (2013.01 - EP US)

Citation (search report)  
• [X] EP 0173454 A1 19860305 - THERMO ELECTRON WEB SYST INC [US]  
• [Y] US 4590855 A 19860527 - SCHOMMER DAVID L [US], et al  
• [X] DE 2538908 A1 19770310 - KASPAR WALTER MASCHINENFABRIK

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

DOCDB simple family (publication)  
**EP 0324141 A2 19890719; EP 0324141 A3 19900822; EP 0324141 B1 19920708**; DE 3800411 A1 19890720; DE 3800411 C2 19900329; DE 3872692 D1 19920813; DE 3872693 D1 19920813; EP 0324139 A2 19890719; EP 0324139 A3 19900808; EP 0324139 B1 19920708; JP H01222959 A 19890906; JP H01225555 A 19890908; JP H07102687 B2 19951108; US 5010815 A 19910430; US 5072669 A 19911217

DOCDB simple family (application)  
**EP 88121339 A 19881221**; DE 3800411 A 19880109; DE 3872692 T 19881221; DE 3872693 T 19881221; EP 88121337 A 19881221; JP 267989 A 19890109; JP 268089 A 19890109; US 29015288 A 19881227; US 65945991 A 19910221