

Title (en)  
PRINTING DEVICE WITH ADDITIONAL ELECTROSTATIC FIELD

Publication  
**EP 0114329 B1 19870121 (DE)**

Application  
**EP 83112742 A 19831217**

Priority  
CH 756782 A 19821227

Abstract (en)  
[origin: EP0114329A1] 1. Printing device with additional electrostatic field for assisting the colour transfer from a printing cylinder (2) onto a dielectric substrate web (3) in a printing gap (6) formed between the printing cylinder surface and an electrostatically chargeable outer sheathing layer (5) of a hollow-cylindrical impression roller (4), with the outer sheathing layer (5), for the electrostatic charging of at least one section of the outer sheathing layer (5) of the impression roller (4), which section is in each case moved through the printing gap, being loaded with a high voltage which is fed into the inner space (8) of the impression roller (4) via a highvoltage lead (9) guided through at least one of the endface bearing arrangements (10) to the impression roller (4), and with conducting means (13) which are firmly insulated against high voltage and are guided through the hollow-cylindrical wall construction of the impression roller (4) being available between the inner space of the impression roller (4) and its electrostatically chargeable outer sheathing layer (5), which conducting means (13) are connected at least in section to the outer sheathing layer (5), characterized by an inductor device (7) for loading the outer sheathing layer (5), which inductor device (7) is provided in the inner space (8) of the hollow-cylindrical impression roller (4).

IPC 1-7  
**B41F 9/06**

IPC 8 full level  
**B41F 9/00** (2006.01); **B41F 9/06** (2006.01)

CPC (source: EP)  
**B41F 9/001** (2013.01)

Citation (examination)  
CH 607624 A5 19780929 - SPENGLER WALTER [CH]

Cited by  
ITMI20090585A1; DE4401332A1; US5520110A

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

DOCDB simple family (publication)  
**EP 0114329 A1 19840801; EP 0114329 B1 19870121**; AT E25035 T1 19870215; DE 3369280 D1 19870226; FI 72929 B 19870430; FI 72929 C 19870810; FI 834694 A0 19831220; FI 834694 A 19840628; JP H0377783 B2 19911211; JP S59171653 A 19840928

DOCDB simple family (application)  
**EP 83112742 A 19831217**; AT 83112742 T 19831217; DE 3369280 T 19831217; FI 834694 A 19831220; JP 25227383 A 19831227