

Title (en)
PRINTING DEVICE WITH ADDITIONAL ELECTROSTATIC FIELD

Publication
EP 0115611 B1 19870121 (DE)

Application
EP 83112743 A 19831217

Priority
CH 756682 A 19821227

Abstract (en)
[origin: US4539908A] The printing unit (1) operating with an electrostatic printing aid has an inductor device (7) for transmitting an electrostatic charge to an outer-shell layer (5) of a back-up cylinder (4). The inductor device is provided on one end face (14) of the back-up cylinder and engages over this end face in the manner of a lid. A continuous annular air gap (15) is located between the end face and the inductor device. Inductor electrodes (9) serve for transmitting the electrostatic charge to the outer-shell layer in a contactless manner and are arranged, concealed against outside access, on the inner face of the inductor device and are aligned by means of their electrode tips with an end-face edge (10) of the outer-shell layer (5). So that no impurities can penetrate into the air gap, it is sealed off or constantly scavenged by compressed air.

IPC 1-7
B41F 9/06

IPC 8 full level
B41F 9/00 (2006.01); **B41F 9/06** (2006.01); **B41F 13/18** (2006.01)

CPC (source: EP US)
B41F 9/001 (2013.01 - EP US); **B41F 13/18** (2013.01 - EP US); **Y10S 101/37** (2013.01 - EP US); **Y10S 430/102** (2013.01 - EP US)

Cited by
DE4443368A1; US5057509A; FR2677301A1; DE4121512C1; EP0439822A1; DE4034579A1; US5094163A; DE102007036587A1; EP3231610A1; ITUA20162595A1; EP2660052A1; US6578478B2; EP3231610B1

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

DOCDB simple family (publication)
EP 0115611 A1 19840815; EP 0115611 B1 19870121; AT E25036 T1 19870215; CA 1212863 A 19861021; DE 3369281 D1 19870226; FI 73627 B 19870731; FI 73627 C 19871109; FI 834693 A0 19831220; FI 834693 A 19840628; JP H0377782 B2 19911211; JP S59171652 A 19840928; US 4539908 A 19850910

DOCDB simple family (application)
EP 83112743 A 19831217; AT 83112743 T 19831217; CA 444339 A 19831228; DE 3369281 T 19831217; FI 834693 A 19831220; JP 25227283 A 19831227; US 55595083 A 19831129