Title (en)

APPARATUS TO REDUCE VOLTAGE REQUIRED TO ELECTROSTATICALLY ADHERE TRANSFER MATERIAL TO AN ARCUATE SURFACE

Title (de)

VORRICHTUNG ZUR ERNIEDRIGUNG EINER SPANNUNG ZUR ELEKTROSTATISCHEN ANHAFTUNG VON EINEM MATERIAL AN EINE GEWOELBTE FLAECHE

Title (fr)

APPAREIL REDUISANT LA TENSION NECESSAIRE POUR FAIRE ADHERER ELECTROSTATIQUEMENT UNE MATIERE DE TRANSFERT SUR UNE SURFACE COURBE

Publication

EP 0729601 B1 20000329 (EN)

Application

EP 95901872 A 19941114

Priority

- US 9413040 W 19941114
- US 15223093 A 19931115
- US 14127393 A 19931206

Abstract (en)

[origin: WO9514260A1] A buried electrode drum (48) includes a rigid core (10) over which a controlled durometer layer (12) is disposed. On the surface of the controlled durometer layer (12) is disposed a buried electrode layer (14), having electrodes (16) disposed therein along the longitudinal axis of the drum (48). The electrode layer (14) is covered by a controlled resistivity layer (18). The controlled resistivity layer (18) is operable to be contacted on the surface thereof by an electrode (24) to allow a voltage to be transferred to the underlying electrodes (16) and therefrom along the longitudinal axis of the drum (48). Various electrodes can be disposed about the peripheral edge of the drum (48) to allow any pattern to be formed on the surface of the drum (48).

IPC 1-7

G03G 15/16

IPC 8 full level

G03G 15/01 (2006.01); **B65H 5/06** (2006.01); **G03G 15/00** (2006.01); **G03G 15/16** (2006.01)

CPC (source: EP)

B65H 5/062 (2013.01); **G03G 15/1695** (2013.01); **G03G 15/6576** (2013.01); B65H 2511/17 (2013.01); B65H 2515/34 (2013.01); G03G 2215/00409 (2013.01); G03G 2215/00662 (2013.01); G03G 2215/00704 (2013.01)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9514260 A1 19950526; AU 1095295 A 19950606; DE 69423777 D1 20000504; EP 0729601 A1 19960904; EP 0729601 B1 20000329; JP H10501896 A 19980217

DOCDB simple family (application)

US 9413040 W 19941114; AU 1095295 A 19941114; DE 69423777 T 19941114; EP 95901872 A 19941114; JP 51452195 A 19941114