

Title (en)
Corona charging device.

Title (de)
Corona-Aufladevorrichtung.

Title (fr)
Dispositif corona pour charger.

Publication
EP 0274894 A1 19880720 (EN)

Application
EP 87311271 A 19871222

Priority
US 94505586 A 19861222

Abstract (en)
A flat scorotron device (200) includes pin electrodes (212) and a charge level control electrode (215) coplanar on the surface of an insulator (220). The pin electrodes are connected to a high voltage D.C. bus bar (205, 210) through a resistive material (230) and a relatively low voltage is applied to the electrode (215). A low watt heater (211) is attached to one surface of the insulator to negate the effects of high relative humidity environment on the device.

IPC 1-7
G03G 15/02

IPC 8 full level
G03G 15/02 (2006.01); **H01T 19/00** (2006.01); **H01T 19/04** (2006.01)

CPC (source: EP)
G03G 15/0291 (2013.01); **H01T 19/04** (2013.01); **G03G 2215/028** (2013.01)

Citation (search report)
• [AD] US 4057723 A 19771108 - SARID DROR, et al
• [A] DE 2064545 B2 19790906
• [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 52 (P-432)[2109], 28th February 1986; & JP - A - 60 195 563 (RICOH) 04-10-1985
• [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 271 (P-497)[2327], 16th September 1986; & JP - A - 61 94072 (RICOH) 12-05-1986
• [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 180 (P-471)[2236], 24th June 1986; & JP - A - 61 27568 (CANON) 07-02-1986

Cited by
EP0640885A3; US6909867B2; US7187534B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0274894 A1 19880720; EP 0274894 B1 19920603; DE 3779604 D1 19920709; DE 3779604 T2 19930204; JP S63167383 A 19880711

DOCDB simple family (application)
EP 87311271 A 19871222; DE 3779604 T 19871222; JP 31730987 A 19871215