

Title (en)

ANTISTATIC DEVICE AND ASSOCIATED OPERATING METHOD

Title (de)

ANTISTATIKVORRICHTUNG UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)

DISPOSITIF ANTISTATIQUE ET PROCÉDÉ D'UTILISATION CORRESPONDANT

Publication

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Application

**EP 12714667 A 20120410**

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Abstract (en)

[origin: WO2012139996A1] The invention relates to an antistatic device (4) for reducing electrostatic charges on moving material webs (2), having an active positive electrode assembly (7), which comprises several positive electrodes (10) and is connected to a positive high-voltage source (12), and an active negative electrode assembly (8), which comprises several negative electrodes (13) and is connected to a negative high-voltage source (15). Increased efficiency can be achieved by means of a sensor system (20) for detecting the polarity of a neutralization current during operation of the antistatic device (4) and by means of a control unit (18) for controlling the high-voltage sources (12, 15), wherein the control unit (18) is coupled to the sensor system (20) and programmed and/or designed such that it activates, or leaves activated, the respectively required high-voltage source (12, 15) and deactivates, or leaves deactivated, the respectively non-required high-voltage source (12, 15) depending on the determined polarity of the neutralization current and thus allows a unipolar operation of the antistatic device (4).

IPC 8 full level

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