

Title (en)

Method and circuit for safety monitoring of an electrostatic spray device

Title (de)

Verfahren und Schaltungsanordnung zur Sicherheitsüberprüfung einer elektrostatischen Sprühanlage

Title (fr)

Procédé et circuit pour le control de sécurité d'un dispositif de pulvérisation électrostatique

Publication

EP 1046918 A3 20011128 (DE)

Application

EP 00107319 A 20000404

Priority

DE 19915374 A 19990406

Abstract (en)

[origin: EP1046918A2] In operation, electrical energy is stored in the system. During breaks in operation, after the high voltage of the energy storage system is switched off, the energy storage system is discharged down to a harmless residual energy before access to the chamber containing the spraying system is allowed. Prior to the start of operation, the capacitance of the energy storage system is meas and stored, and the safe voltage value is calculated. During the breaks in operation after the high voltage is switched off, it ascertained if the voltage measured at the energy storage system has reduced to the safe level or a lower level. An alarm signal a signal preventing access to the chamber is generated if the voltage is unacceptably high. An Independent claim is included for a circuit for safety checking of a spraying system.

IPC 1-7

G01R 19/155; B05B 5/10; G01R 29/24

IPC 8 full level

B05B 5/10 (2006.01)

CPC (source: EP)

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Citation (search report)

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