

Title (en)

Arrangement and method for generating a corona discharge

Title (de)

Anordnung und Verfahren zur Erzeugung einer Koronaentladung

Title (fr)

Dispositif et méthode pour produire une décharge Corona

Publication

**EP 1624546 B1 20070328 (DE)**

Application

**EP 05016556 A 20050729**

Priority

DE 102004037756 A 20040804

Abstract (en)

[origin: EP1624546A1] The DC source (1) for the corona discharge has an AC supply with a step-up transformer (2) followed by a rectifier bridge (3). The AC supply may be at 400 V 50 Hertz. The rectifier terminals (G1,G2) are connected via a capacitor (C3). Two electronic switches (S1,S2) in series are connected across the rectifier terminals and are connected to a control circuit (4). Connecting lines (A,C) are connected to the rectifier terminals and a third line (B) is connected to the midpoint (V) between the switches. A first corona discharge system (5) has electrodes (E1,E2) connected to the second and third lines. The electrode arrangement (E) incorporates a resistor (RE) and a capacitor (CE).

IPC 8 full level

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