

Abstract

ION GENERATION DEVICE

An embodiment of the present invention provides an ion generating device which can suppress reduction in amount of ions generated and of which size reduction is possible. The ion generating device includes: a discharge electrode (1) which generates positive ions; a discharge electrode (2) which generates negative ions; a transformer (13) which outputs a high alternating-current voltage; a diode (D1) which rectifies the high alternating-current voltage and applies a voltage thus rectified to the discharge electrode (1); and a diode (D2) which rectifies the high alternating-current voltage and applies a voltage thus rectified to the discharge electrode (2). The diode (D1) and the diode (D2) are connected, on a high voltage circuit substrate (14), to an output terminal of the transformer (13) via a conductive body such as a wiring pattern (14a) and a soldering pattern (14b). The conductive body is formed in a region where the conductive body causes neither a decrease in strength of an electric field formed by the discharge electrode (1) nor a decrease in strength of an electric field formed by the discharge electrode (2).

Figure 4