

WATER TREATMENT DEVICE AND WATER TREATMENT METHOD

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ABSTRACT

A water treatment device (100) includes, between at least two flat sheet-shaped grounded electrodes (17) vertically disposed so as to be parallel to each other, a sheet-shaped high-voltage electrode (18) having two edges (18a) opposing the respective grounded electrodes (17). The sheet-shaped high-voltage electrode (18) is supported by a plurality of support members (19), and thus deformation of the high-voltage electrode (18) in an up/down direction and a horizontal direction is suppressed, and the distance between each edge (18a) of the high-voltage electrode (18) and the corresponding grounded electrode (17), i.e., an electric discharge gap length, can be kept even. Accordingly, uniform electric discharge can be maintained between the high-voltage electrode (18) and the grounded electrode (17), whereby highly efficient water treatment can be realized.

Figure 1