WATER TREATMENT APPARATUS

ABSTRACT

It is an object to obtain a water treatment apparatus that can inhibit electric leak due to to-be-treated water and can treat the to-be-treated water with high efficiency.

The water treatment apparatus includes: a plurality of plate-shaped ground electrodes (1); a high-voltage electrode unit (2) having counter electrode portions (23) opposing the ground electrodes (1), support portions (22) supporting the counter electrode portions (23), and a voltage receiving portion (21) for receiving a high voltage; and a water supply unit (3) for supplying to-be-treated water (30) to between the ground electrodes (1) from above in the vertical direction. The water treatment apparatus includes insulating members (5) each having a lower end portion fixed to a support structure (4) fixing lower end portions of the ground electrodes (1), and an upper end portion connected to the voltage receiving portion (21) of the high-voltage electrode unit (2). The lower ends of the support portions (22) of the high-voltage electrode unit (2) are held in a space between the ground electrodes (1), and a portion where each insulating member (5) and the high-voltage electrode unit (2) are connected to each other is located above the water supply unit (3) in the vertical direction, so that electric leak due to the to-be-treated water (30) is inhibited.

Figure 1