

PARTICLE COLLECTOR SYSTEM AND DUST COLLECTION METHOD

Abstract

Provided are a particle collector system and a dust collection method whereby particles can be almost completely removed without periodic performance of a particle removal operation. A particle collector system (1-1) is provided with a dust collection unit (2), a power source unit (3), and a capacitance measurement unit (4). The dust collection unit (2) comprises first and second electrodes (21, 22), a second electrode (22), and a dielectric body (20) covering the electrodes. The power source unit (3) is a component for supplying power source voltage to the first and second electrodes (21, 22). The capacitance measurement unit (4), which is a component for measuring the capacitance of the dust collection unit (2), measures the capacitance between the first and second electrodes (21, 22).

[Fig. 1]