ABSTRACT

An electrostatic chuck electrode sheet which allows the difference in capacitance between electrodes due to the presence or absence of a substrate to be increased to a level which can be accurately detected using a known substrate detection device, and allows an electrostatic chuck to exhibit an excellent attraction force, and an electrostatic chuck using the electrode sheet, are disclosed. The electrode sheet has a layered structure in which a first insulating layer, a first electrode layer, an inter-electrode insulating layer, a second electrode layer, and a second insulating layer are stacked and attracts a substrate on the first insulating layer, the first electrode layer having a plurality of openings in a specific planar area, and the second electrode layer having opening equivalent portions provided at positions at which the openings in the first electrode layer are projected onto the second electrode layer in a depth direction of the electrode sheet and having almost the same area as the projected openings, and connection portions that connect the opening equivalent portions. The electrostatic chuck is formed using the electrode sheet.