

ABSTRACT

An electrode for electric discharge surface treatment, the electrode for use in an electric discharge surface treatment in which, by using a green compact compression molded from a metallic powder, a metal compound powder, or a conductive ceramic powder as the
5 electrode, a pulse-like electric discharge is caused to take place between the electrode and a work in a dielectric fluid or air and, with discharge energy, a coat is formed on a surface of the work, the coat being formed of an electrode material or a substance resulting from
10 reaction of the electrode material to the discharge energy on the pulse, wherein a powder solid formed through coagulation of the metallic powder, the metal compound powder, or the conductive ceramic powder included in the green compact has a size smaller than a distance between the electrode and the work.