

## ABSTRACT

REPAIR METHOD FOR MACHINE COMPONENT, PRODUCTION METHOD OF RESTORED MACHINE COMPONENT, PRODUCTION METHOD OF MACHINE COMPONENT, GAS TURBINE ENGINE, ELECTRIC SPARK MACHINE, REPAIR METHOD FOR TURBINE COMPONENT AND PRODUCTION METHOD FOR RESTORED TURBINE COMPONENT

A defect generated at a portion to be treated of a machine component is removed, a porous deposition is formed by employing a molded electrode composed of a molded body or such molded from powder of a metal or such and generating a pulsing electric discharge between a removed portion from which the defect in the machine component is removed and the molded electrode so that a material of the molded electrode or such is deposited or so at the removed portion of the machine component by energy of the electric discharge and finish machining to required dimension is carried out so as to make a thickness of the deposition to be predetermined thickness.

Figure 5.