

ABSTRACT

TIP OF SOLDERING IRON, PROCESS FOR PRODUCING THE SAME, AND
ELECTRICAL SOLDERING IRON AND ELECTRICAL SOLDER SUCKING IRON
INCLUDING THE IRON TIP

A tip 2 for handling solder used as a soldering bit of an electric soldering iron or an electric solder sucking iron, in which a soldering iron tip end member 20 formed of a metal particle sintered body manufactured using a powder metallurgy process is provided at the forward end of a soldering bit core 10 made of copper or a copper alloy. Used for the metal particle sintered body are: a sintering base material in which particles of iron, nickel, and cobalt are combined as needed; and when a need arises, a first sintering additive in which particles of copper, silver, tin, boron, and carbon are combined as need, or a second sintering additive in which particles of vanadium, niobium, tantalum, chromium, and molybdenum are combined as needed.

Selected Drawing: Fig. 3