

Solid Electrolytic Capacitor and Manufacturing Method and
Manufacturing Apparatus for Manufacturing the Capacitor

ABSTRACT OF THE DISCLOSURE

A manufacturing apparatus for manufacturing a solid electrolytic capacitor is provided in which a conductive polymer layer is formed in a polymerization tank on a continuous band-shaped anode element on which
5 a dielectric oxide film and conductive substance is formed. The manufacturing apparatus has two feeding units for feeding a voltage to the anode element. The first feeding unit has a feeding roller for applying a voltage to the anode element by adhering a conductive tape. The second feeding unit has a feeding roller having plural protruding
10 feeding bosses. The feeding bosses poke and tear the surface of the conductive tape to feed the voltage, so that a conductive polymer layer can be formed stably. As a result, the manufacturing method for manufacturing the solid electrolytic capacitor has a low defective rate and an enhanced maintainability and operation efficiency.

FIGURE 1