

CONDUCTIVE COMPOSITION AND METHOD FOR PRODUCING CONDUCTIVE
COATING FILM

ABSTRACT

Provided is a conductive composition that can produce a conductive coating film having a high conductivity and low corrosiveness. The composition contains a sulfur trioxide complex and a substituted polythiophene of which at least a portion of the thiophene repeating units are substituted at the 3-position and/or the 4-position of the thiophene ring by at least one group selected from the group consisting of:

a polyether group having 1-9 repeating units of an oxyalkylene group having 2 to 4 carbon atoms and of which one terminal is an alkyl group having 1 to 15 carbon atoms,

an alkoxy group having 1 to 15 carbon atoms,

an alkoxyalkyl group having 1-19 carbon atoms, and

an alkyl group having 1 to 15 carbon atoms or said alkyl group of which a hydrogen atom has been substituted with the polyether group; the composition can be used as a conductive composition for a solid electrolyte capacitor.