This Sheet Has Been Replaced



49 THIS SHEET HAS BEEN REPLACED

Abstract

COATING SOLUTION FOR FORMING TRANSPARENT CONDUCTIVE COATING, PROCESS FOR PREPARING SAME, CONDUCTIIVE SUBSTRATE PROCESS FOR PREPARING SAME, AND DISPLAY DEVICE PROVIDED WITH TRANSPARENT CONDUCTIVE SUBSTRATE

Conductive substrate having on their surface a coating formed from a coating solution for forming a transparent conductive coating prepared by dispersion of dissolving in water and/or organic solvent such conductive particles as having (a) an average particle diameter of not more than 500 Å, wherein (b) an amount of particles having a particle diameter of not more than 600 Å is more than 60% by weight, (c) an amount of particles having a particle diameter of not more than 100 Å is more than 5% by weight and (d) an amount of particles having a particle diameter of more than 1000 Å is not more than 15% by weight, and a matrix comprising a silica polymer having (A) an average degree of polymerization of 1,500-10,000, and (B) an amount of the polymer having a degree of polymerization of not more than 3,000 being not more than 50% by weight, and (C) an amount of the polymer having a degree of polymerization of more than 10,000 being not more than 20% by weight, are excellent in adhesion and surface smoothness and also excellent in durability and transparency. Display devices provided with the above-mentioned transparent conductive substrates as the display panel are excellent in resolving power, and give constantly clear and sharp images.