

ABSTRACT OF THE DISCLOSURE

COMPONENT MADE OF SINTERED OXIDES OF INDIUM AND TIN AND METHOD OF MANUFACTURE

A component made of sintered oxides of indium and tin and a method of manufacturing such a component. The mean size of the oxide particles is larger than 2 μm . The empirical density of the component is more than 95 % of theoretical. The component is characterized in that at least 97 weight % of the oxide particles are solid solution crystals with a crystalline matrix of indium oxide. The method comprises molding a green body of a powder of indium-oxide and tin-oxide solid solution and sintering the green body at a temperature less than 1100°C and preferably between 800 and 1050°C.