

Thick-film Composition Containing Antimony Oxides and their Use in the Manufacture of Semiconductor Devices

Abstract

This invention provides a thick-film composition for printing the front-side of a solar cell device having one or more insulating layers. The composition comprises a bismuth oxide comprising glass frit and antimony oxide as part of the glass frit or an additive. The invention further refers to a process for preparing a semiconductor device by use of the thick-film composition and an article, especially a solar cell comprising the semiconductor device. The solar cells show improved efficiency.