

Electrical device with indirect lightning protection, attitude and heading reference system, and aircraft

Abstract

The invention relates to an electrical device with indirect lightning protection, having an electrically conductive housing, in which electrical components are accommodated. The electrical device further has an electrical data interface, which is connected to the electrical components in order to transmit electrical signals from the components out of the housing, or in order to transmit external electrical signals into the housing in the components. An electrical power supply interface is further provided, which supplies the electronic components with electrical power from an external power source. The electrical data interface and the electrical power supply interface are constructed in such a way that the electrical components are galvanically isolated from the housing and the input/output lines of the data interface and the power supply interface, such that damage to the components by a current pulse brought about by lightning is prevented. An attitude and heading reference system and an aircraft comprising the electrical device are further provided.

Figure 1