POWER ADAPTER, TERMINAL, AND METHOD FOR HANDLING IMPEDANCE ANOMALY IN CHARGING LOOP

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a Singapore national phase application based up an International Application No. PCT/CN2015/070461, filed on January 9, 2015, which is based on and claims priority to Chinese Patent Application Nos. 201410043148.3, 201410042716.8, both filed on January 28, 2014, the entire contents of which are incorporated herein by reference.

TECHNICAL FIELD

Embodiments of the present disclosure relate to the charging technical field, and more particularly, to a power adapter, a terminal and a method for handling an impedance anomaly in a charging loop.

BACKGROUND

Currently, batteries in most of electronic devices are connected with external power adapters via charging interfaces of the electronic devices to realize charging.

During the charging, an impedance of the charging loop is usually abnormal. There are various reasons resulting in the impedance anomaly, such as, a loose contact due to a bad-inserted charging interface, a loose contact between a battery and a connector located at two ends of the battery due to dirt at the two ends of the battery.

In a case that the impedance of the charging loop is abnormal, if the charging is still performed, charging components (such as a battery, a power adapter, and a terminal) will be damaged, thus bringing a hidden danger. In the related art, the impedance anomaly in the charging loop cannot be detected and handled, such that the safety during the charging is poor.