

ABSTRACT

The present disclosure relates to a socket (100). The socket comprises: a charging port (110); an AC/DC converter (120); a charging controller (130), which is configured to, in response to the charging port (110) being connected to a device to be charged (200), determine an expected charging voltage and an expected charging current supported by the device to be charged (200); and a power supply controller (140), which is coupled to the charging controller (130) and is configured to adjust an output voltage and output current of the AC/DC converter (120) based on the determined expected charging voltage and expected charging current.

FIGURE 1