

OPPO LiFi smartphone

1. Design Patent CN305956771 – OPPO MOBILE DEVICE FOR LIFI COMMUNICATION

<https://nl.letsgodigital.org/uploads/2020/08/oppo-lifi-smartphone.pdf>

The name of this design product: mobile phone. Purpose of this design product: This design product is used for LIFI communication, mobile communication, data processing, etc.

2. Utility Patent CN210490883 - ELECTRONIC EQUIPMENT AND LIFI COMMUNICATION SYSTEM

<https://patentscope.wipo.int/beta/en/detail.jsf?docId=CN295372638&tab=NATIONALBIBLIO>

The utility model proposes an electronic device and a LiFi communication system, wherein the electronic device includes: a housing; a light-passing hole arranged on the housing; a light-passing hole arranged inside the housing and corresponding to the light-passing hole LiFi communication component; and an isolation component covering the light through hole, wherein the isolation component filters out light except for a preset frequency. As a result, in the process of LiFi communication between the electronic device and the communication peer, interference caused by ambient light is avoided, the effect of LiFi communication is improved, and the anti-interference ability of LiFi communication is effectively improved.

3. Utility Patent CN210609498 - LIFI DEVICE AND ITS PROJECTION SYSTEM

<https://patentscope.wipo.int/search/en/detail.jsf?docId=CN296084846&tab=NATIONALBIBLIO>

The utility model discloses a LIFI device and a screen projection system with the LIFI device. The LIFI device includes a casing, a circuit main board and a LIFI module. Wherein, the housing has an opening, the circuit main board is arranged in the housing, the LIFI module is arranged on the circuit main board, and the LIFI module is electrically connected to the circuit main board, the LIFI module has a signal receiving end, and the the signal receiving end is opposite to the opening. According to the LIFI device of the present invention, by using the housing to house the LIFI module and the circuit board, the LIFI device can be used as an independent electronic device, and the light signal can be used to transmit data information, thereby greatly improving the transmission rate, Reduce latency and support high-resolution and high-frame-rate file (such as video and/or audio) transmission, thereby improving user experience.