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(19) **United States**(12) **Patent Application Publication****XIAO et al.**(10) **Pub. No.: US 2022/0368119 A1**(43) **Pub. Date: Nov. 17, 2022**(54) **GATEWAY DEVICE****H05K 5/03** (2006.01)**H05K 5/02** (2006.01)(71) Applicant: **Huawei Technologies Co., Ltd.**,
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This application provides a gateway device. The gateway device may include a base and a cable waterproof structure disposed on the base, the base includes at least one network interface, and the cable waterproof structure includes a cable plugged into the network interface and a cover that covers the network interface. The cable includes a cable body and a network interface plug fastened to an end portion of the cable body. A sealing member is disposed at a joint between the cable body and the network interface plug. A threading hole through which the cable is threaded is disposed in the cover, and the sealing member is attached to the threading hole through interference fit. Effective waterproof for the cable can be implemented through interference fit between the sealing member and the threading hole of the cover.

