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HSU et al.(10) **Pub. No.: US 2024/0214453 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **SMART CONTROL MODULE FOR
COIN-OPERATED DEVICE**(52) **U.S. Cl.**CPC **H04L 67/125** (2013.01); **G06Q 30/015**
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(57)

ABSTRACT

A smart control module for a coin-operated device includes a control board disposed with a processing unit, a back-end port, and a communication unit that are electrically connected to the processing unit. A front-end port is disposed on the control board and is adapted to receive a coin insertion signal outputted by a coin acceptor. The back-end port outputs the coin insertion signal in a bypassing way. When the communication unit receives a control signal from a service platform, the processing unit outputs a simulated coin insertion signal through the back-end port. Upon using the present invention, the front-end port and the back-end port are connected between the coin acceptor and a controller of the coin-operated device. The service platform could remotely control the back-end port to output the simulated coin insertion signal to the controller after receiving a malfunction reported by a user.

