

SYSTEM AND METHOD FOR UNIVERSAL SERIAL BUS HUB PORT REVERSAL

Abstract

System and method for switching logic in a Universal Serial Bus hub. The USB hub may include upstream logic and downstream logic for sending and receiving information from a host controller and a USB device respectively. The USB hub may include a plurality of ports operable to couple to a plurality of devices, including a first port coupled to the upstream logic and a second port coupled to the downstream logic. The USB hub may also include switching logic operable to switch the upstream and the downstream logic with respect to the first port and the second port respectively. The switching logic may switch the upstream and downstream logic by decoupling the first port from the upstream logic, decoupling the second port from the downstream logic, and coupling the second port to the upstream logic. Additionally, the first port may be coupled to the downstream logic.

FIGURE 3