METHOD FOR INITIATING RE-ENUMERATION OF A DEVICE

Abstract

A method of initiating re-enumeration of a USB device without manual intervention is provided. The method involves a sequence emulating detachment and re-attachment of a device to the host while the device remains attached to the host. As the device remains attached to the host throughout the sequence, the host OS is manipulated to receive a plurality of preset device states in order for it to perceive a device change and to eventually initiate device enumeration. The sequence, which involves a series of command exchanges between the device and the host, may be initiated by a software application residing in the host upon an event requiring device enumeration.

(FIG. 2)