

ABSTRACT OF THE DISCLOSURE
MULTI-HOST USB DEVICE CONTROLLER

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A shared USB device may be simultaneously configured and accessed by two or more USB hosts by using a multi-host capable device controller. The multi-host capable device may include separate upstream ports and buffers for each host, and may be configured with the capability to respond to USB requests from more than one host. The multi-host capable device may maintain a dedicated address, configuration, and response information for each host. Each host may therefore establish a dedicated USB connection with the sharing device without the sharing device having to be re-configured or re-enumerated each and every time the upstream hosts alternate accessing the USB device.