

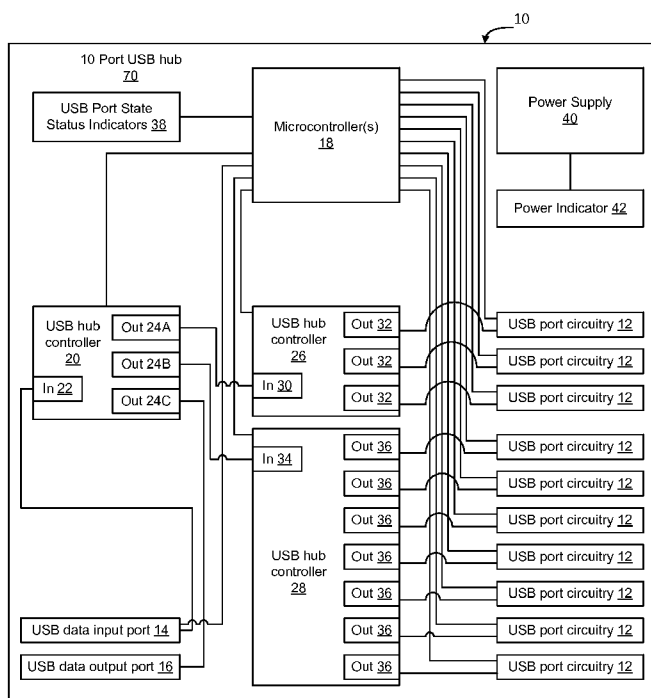


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(54) Title: HIGH CURRENT MULTI-PORT USB HUB

Figure 1



(57) Abstract: A high-current Multi-Port USB hub has a microcontroller that selectively switches the hub between low current synchronizing state and high current charging state. During charging state in excess of two Amps of current can be provided to each device connected to the hub. Each USB port circuit includes a power FET to selectively provide current to the USB port according to the state of the hub. Current sensors on each of the USB ports detects an amount of current being drawn by a device connected to the USB port. Each USB port is provided with indicators to indicate the charged state of the device connected to that port. The charge state of the device is also provided to the microcontroller which provides a summary status indication of the set of devices connected to the USB hub.



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