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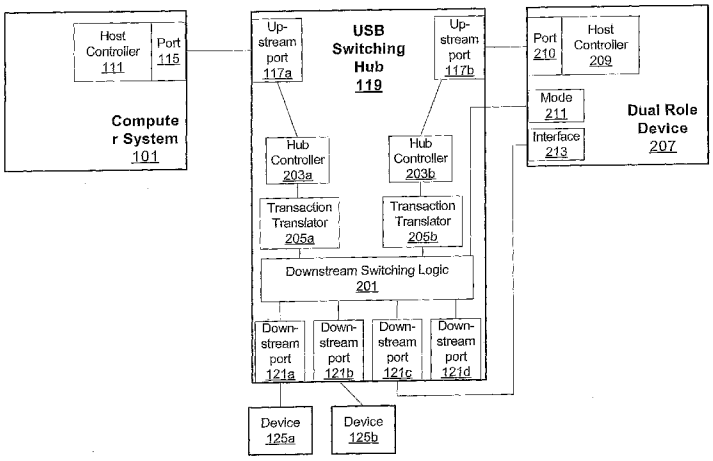
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(54) **Title:** PERIPHERAL SHARING USB HUB



(57) **Abstract:** In various embodiments, devices coupled to upstream ports may enumerate the USB switching hub according to the total number of downstream ports on the USB switching hub. In some embodiments, when a first upstream port is communicating with a first downstream port, status registers coupled to the second upstream port may indicate to the second upstream device that the first downstream port is disconnected. By enumerating the USB switching hub according to the total number of downstream ports, the upstream devices may not have to re-enumerate the hub (and correspondingly each device coupled to the hub) each time a downstream device is switched. In some embodiments, an intelligent port routing switch may delay switching communications for the downstream port if there is an active transfer in progress between a related downstream port and an upstream port.

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