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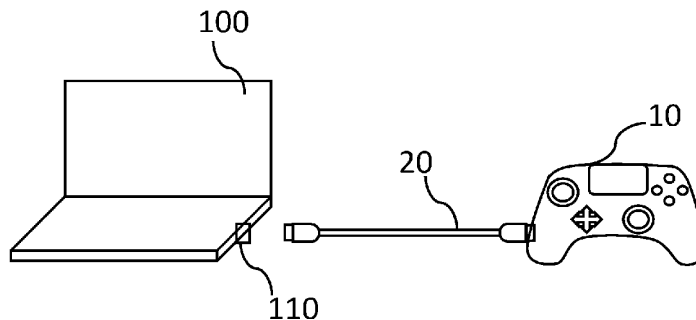


FIG. 1A

(57) Abstract: A method for communicating data between a host device and a target peripheral device connected to the host device is provided. The method may comprise: receiving at least one identifier of the target peripheral device; generating a configuration key of the target peripheral device based on the at least one identifier of the target peripheral device; determining if the configuration key of the target peripheral device is in a look-up table, the look-up table comprising configuration keys for a plurality of peripheral devices and configuration data corresponding to each configuration key; obtaining an interface name of a USB interface of the target peripheral device and obtaining configuration data for the target peripheral device based on the interface name of the USB interface of the target peripheral device, when the configuration key of the target peripheral device is absent in the look-up table; and communicating data between the host device and the target peripheral device according to the configuration data for the target peripheral device.

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