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(54) Title: DYNAMIC COMMAND EXTENSION FOR A MEMORY SUB-SYSTEM

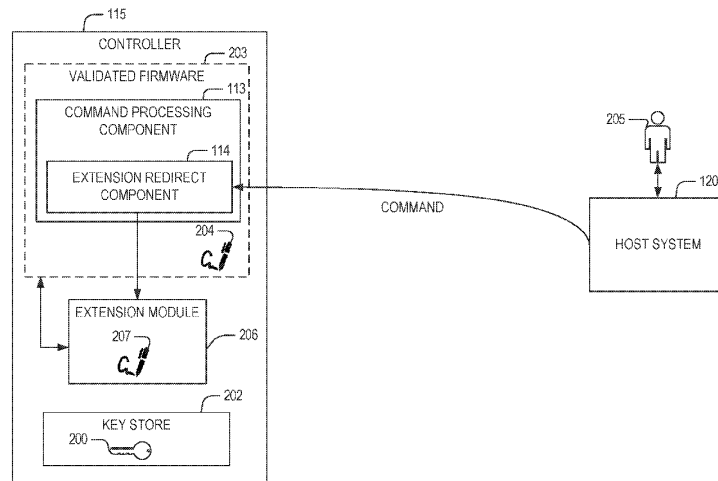


FIG. 2B

(57) Abstract: A processing device is configured to process an initial set of command types. A command extension module and a digital signature are received. The digital signature is generated based on the command extension module using a private key of a key pair. The command extension module, once installed by the processing device, enables the processing device to process a new command type that is not included in the initial set of command types. The digital signature is verified using a public key of the key pair. Based on a successful verification of the digital signature, the command extension module is temporarily installed by loading the command extension module in a volatile memory device.

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