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(54) Title: MULTI-VERSION PROCESSING USING A MONITOR SUBSYSTEM

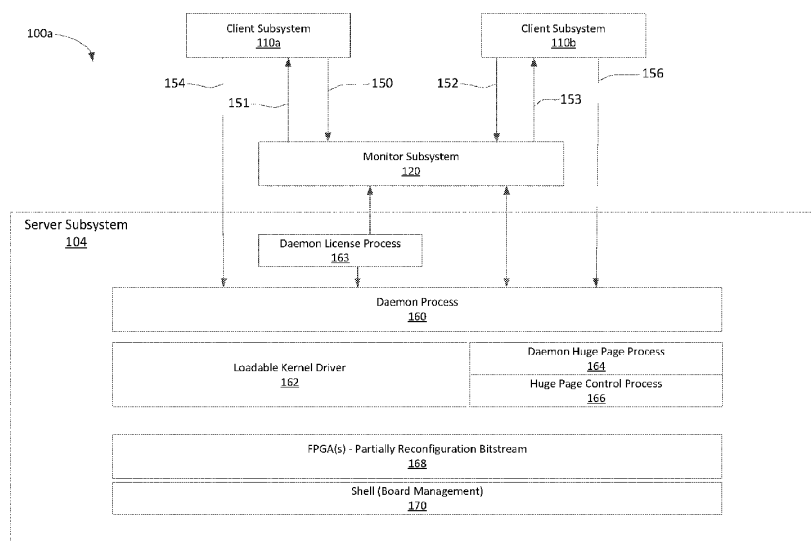


FIG. 1B

(57) **Abstract:** Versions of a sequencing system may be monitored to enable changing of a version of a server subsystem operating the sequencing system to service requests from client subsystems for performing analysis of sequencing data. A monitor subsystem may be utilized for receiving and authorizing requests from client subsystems. The monitor subsystem may identify a version associated with a server subsystem operating the sequencing system to be implemented for servicing the request. The monitor subsystem may allow the server subsystem to be accessed for servicing the request from the client subsystem when the version associated with the client subsystem is compatible with the version associated with the server subsystem. The monitor subsystem may prevent the server subsystem from being accessed when the version associated with the client subsystem is incompatible with the version associated with the server subsystem.

[Continued on next page]

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