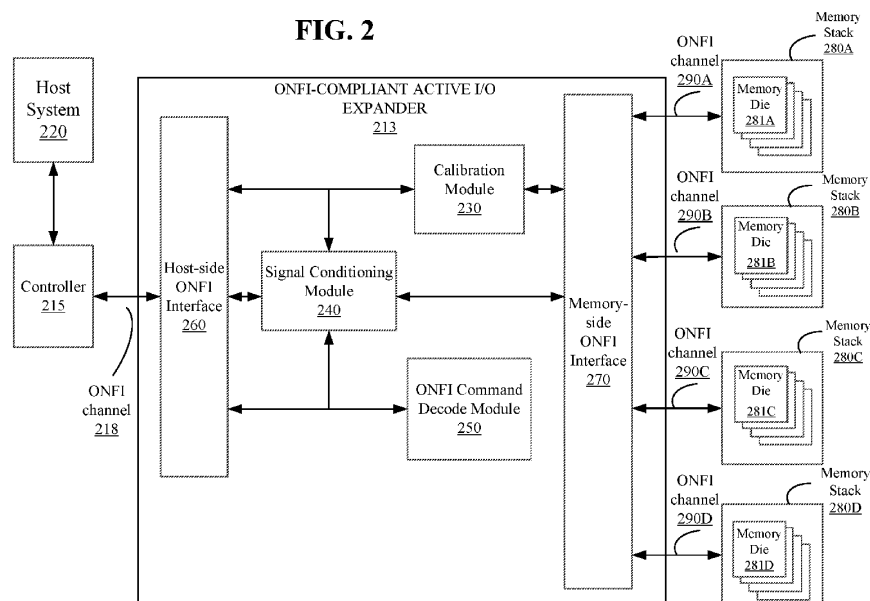




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FIG. 2



(57) **Abstract:** A read command to read a target memory die of a memory sub-system is received from a host system via a host-side interface of an active input/output (I/O) expander. The active I/O expander identifies a page address corresponding to the target memory die and decodes the read command to send to a memory stack associated with the page address corresponding to the target memory die. Read data is received via a memory-side interface of the active I/O expander from the memory stack including the target memory die. A signal conditioning operation is performed on the read data to generate conditioned read data. The active I/O expander sends, via the host-side interface, the conditioned read data to the host system.

[Continued on next page]

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