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(54) Title: METHOD FOR OPTIMIZING RECONSTRUCTION OF DATA FOR A HYBRID OBJECT STORAGE DEVICE

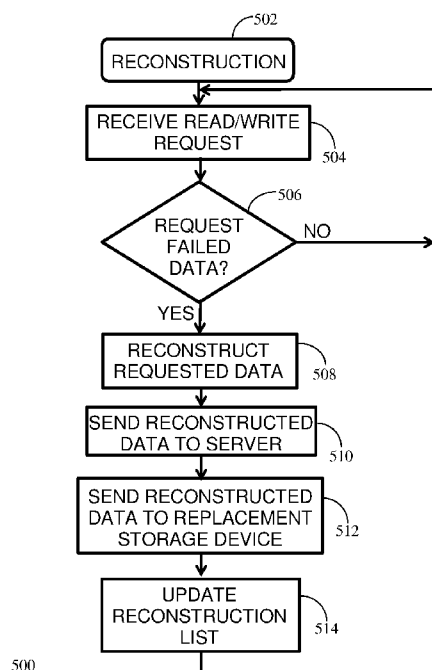


FIG. 5

(57) Abstract: A method for data reconstruction when one HOSD has failed in a cluster of Hybrid Object Storage Devices (HOSDs) is disclosed. The method includes receiving one of a read request and a write request from a server to access data from a failed one of the plurality of storage devices and reconstructing the requested data stored in the failed one of the plurality of storage devices from portions of data stored in one or more available ones of the plurality of storage devices. The method also includes sending the requested data from the reconstructed data back to the server and sending the reconstructed data to a replacement one of the plurality of storage devices. Finally, the method includes updating a reconstruction list to indicate the replacement one of the plurality of storage devices and completion of data reconstruction.



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