

ABSTRACT OF THE DISCLOSURE

A storage device includes a plurality of non-volatile memories; a volatile memory; a computing device configured to perform an operation on data provided by the plurality of non-volatile memories; and a storage controller including a resource manager configured to receive information about priority of tenants from a host, and to dynamically set resources of the plurality of non-volatile memories, the volatile memory, and the computing device based on the priority.

FIG. 1