

ABSTRACT OF THE DISCLOSURE

A solid state drive including: a plurality of non-volatile memories, each of the non-volatile memories including a channel, the channel including at least one way connected to a die; a host interface which receives stream data and stream information from a host; and a resource allocator which allocates the stream data to super blocks of the plurality of non-volatile memories on the basis of the stream information, wherein a first super block includes a first unit super block, and the first unit super block includes a block of a first die corresponding to a first channel and connected to a plurality of ways included in the first channel.

FIG. 11