

**DATA STORAGE SYSTEM, METHOD OF WRITING TO STORAGE IN THE
DATA STORAGE SYSTEM, HARD DISK AND METHOD OF FORMING THE
HARD DISK**

ABSTRACT

In various embodiments, a data storage system may be provided. The data storage system may include a storage. The storage may include a first portion and a second portion. The data storage system may further include a determination circuit configured to determine whether to write data to the first portion or to the second portion. The data storage system may also include a control circuit configured to control writing the data to the first portion in a log structured manner.

[FIG. 4]