METHODS FOR PROVIDING REQUESTED DATA FROM A STORAGE DEVICE TO A DATA CONSUMER AND STORAGE DEVICES

Abstract

According to various embodiments, a method for providing requested data from a storage device to a data consumer may be provided. The method may include: determining a helper key for the data consumer; determining encrypted data corresponding to the requested data from a memory of the storage device; determining pre-processed data based on the encrypted data and the helper key, wherein the pre-processed data is encrypted and configured to be decrypted using a private key of the data consumer; and transmitting the pre-processed data to the data consumer.

FIG. 1A