DATA PROCESSING SYSTEM, DATA PROCESSING METHOD, AND PROGRAM PROVIDING MEDIUM

ABSTRACT OF THE DISCLOSURE

The inventive data processing apparatus enables own memory device to store a plurality of key distribution approval data files each containing such a header data comprising a number of "link-count" data units each designating actual number of applicable contents data per decodable contents key based on an enabling key block (EKB) distribution key enciphering key (KEK) enciphered by a corresponding enabling key block (EKB) provided for by a hierarchy key tree structure. When storing a plurality of the enabling key blocks (EKB) in a memory device, such a key enciphering key (KEK) contained in an enabling key block (EKB) having a number of link-count data units is previously decoded and stored in the memory device. By way of applying the stored (KEK) when utilizing contents data, the enabling key block (EKB) processing step is deleted, whereby promoting higher efficiency in the utilization of contents data.

Figure 1