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ABSTRACT

An ID is stored on an IC module, and a link to data in a virtual memory module is formed, whereby a memory of the IC module is virtually expanded. A file structure in a data storage unit of the IC module has an upper limit value, and the upper limit value is linked to a file structure in the virtual memory module. The virtual memory module is connected to the IC module via a network. When the IC module communicates with a reader/writer, if data that is supposed to be stored on the IC module is not present in the IC module, a data storage unit in the virtual memory module is accessed.