

ABSTRACT

According to an embodiment, a security device includes an interface, a secure memory, and a processor. The interface communicates with a mobile terminal including a function of disclosing information. The secure memory stores information to be used for authentication. The processor receives an authentication request associated with an instruction to disclose information to be subjected to security management in the mobile terminal by the interface, specifies an authentication process to be executed by using information stored in the secure memory in accordance with content of the authentication request, and notifies the mobile terminal of an authentication result of execution of the specified authentication process.