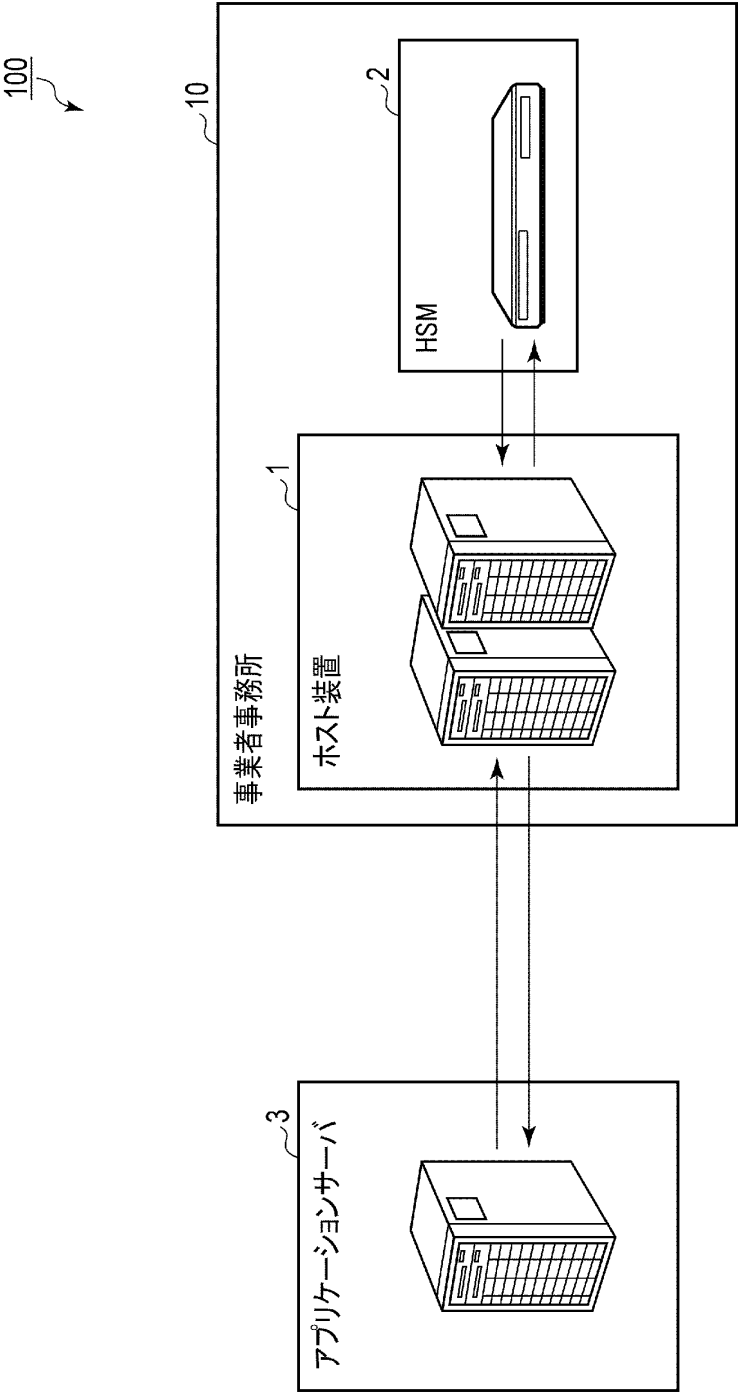
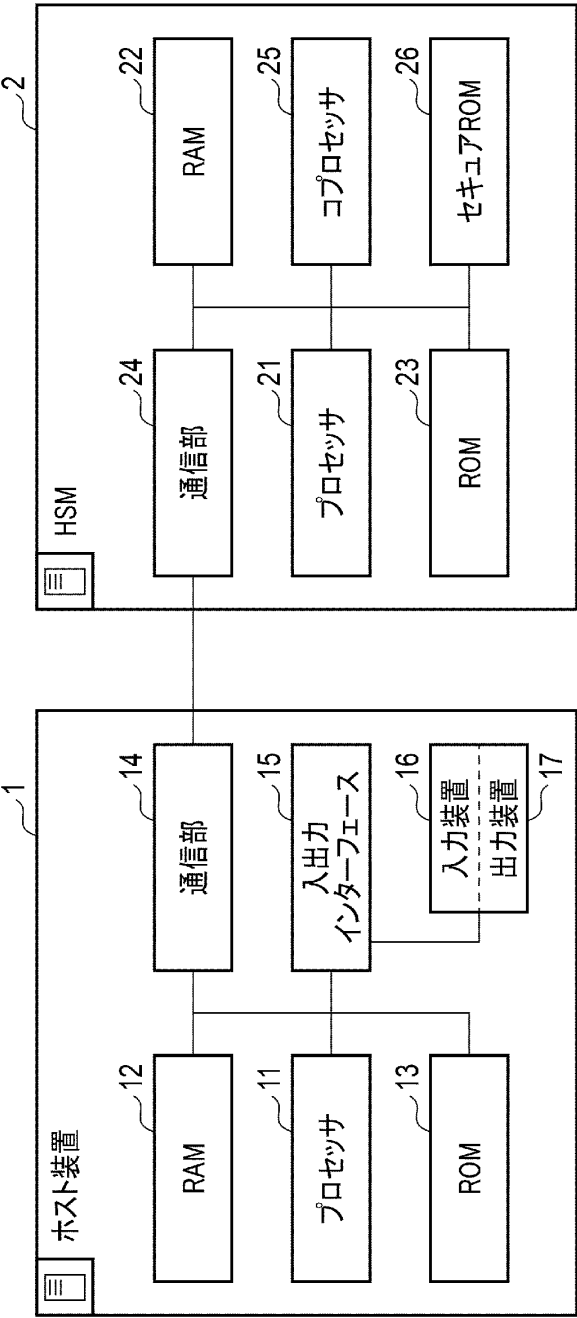


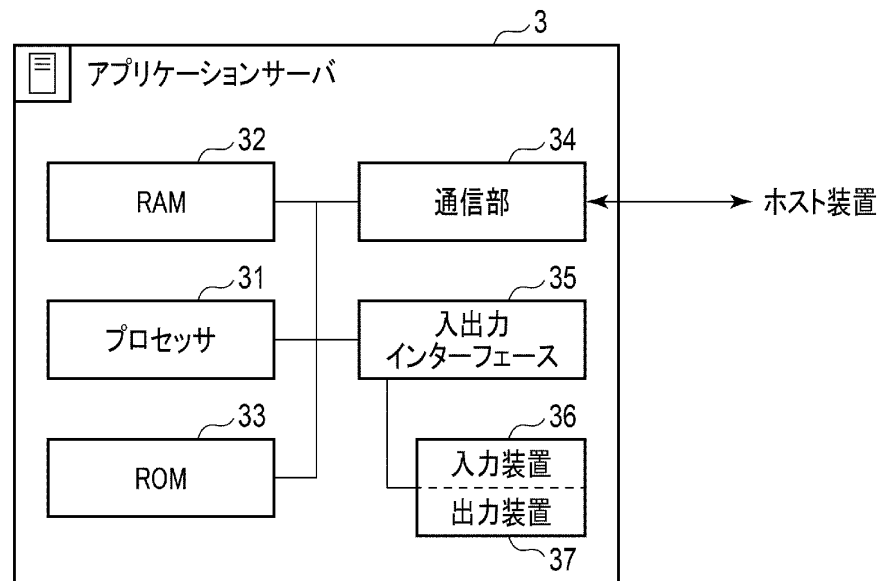
[図1]



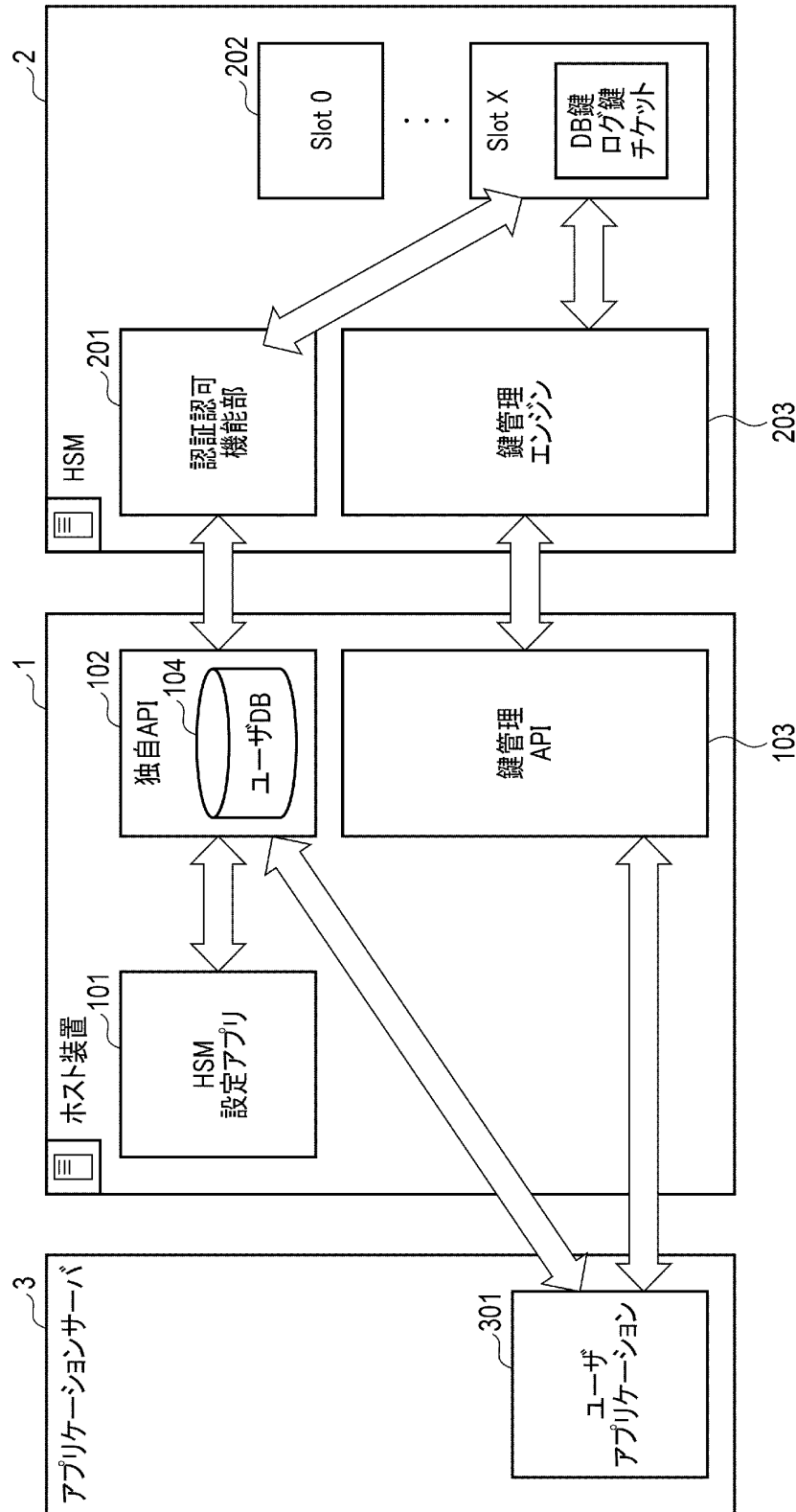
[図2]



[図3]



[図4]



[図5]

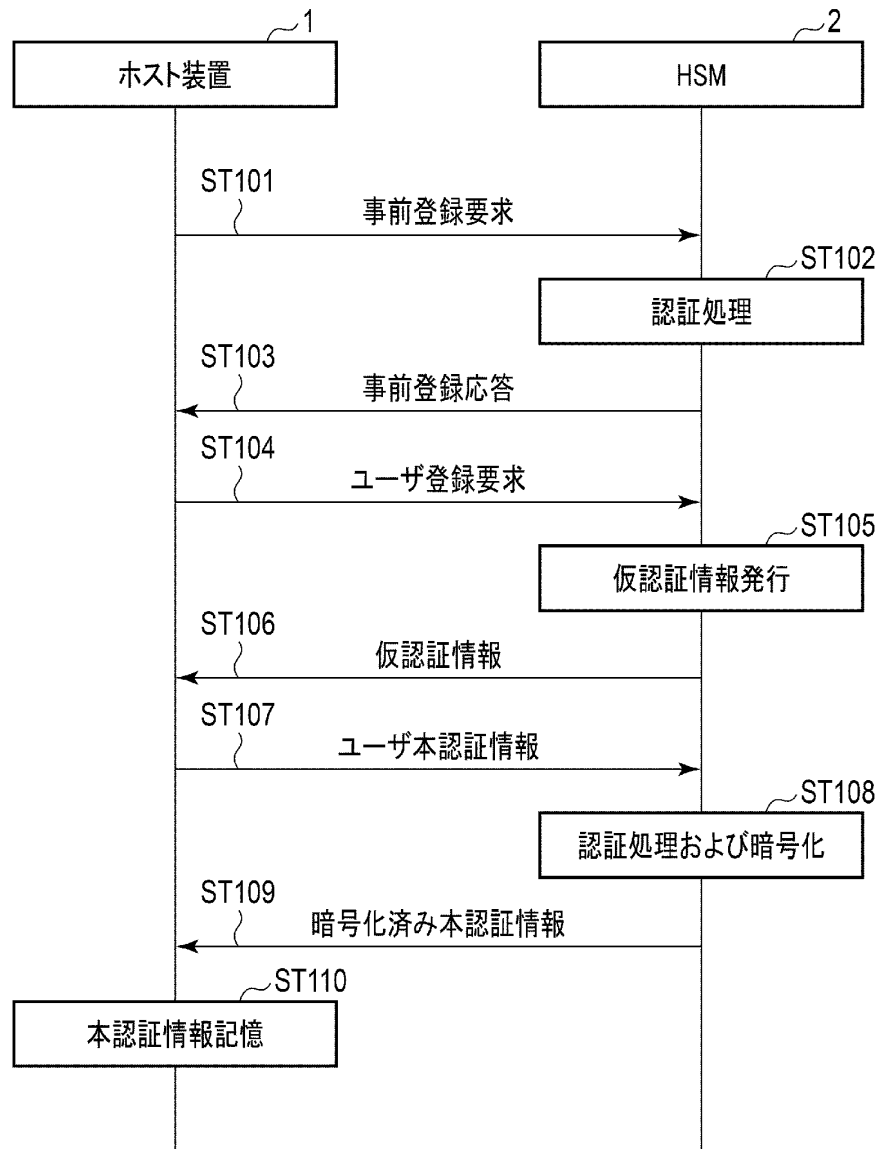


Figure 1 is a block diagram illustrating the system architecture. The system is divided into two main components: a Host Device (101) and a Security Module (201).

Host Device (101):

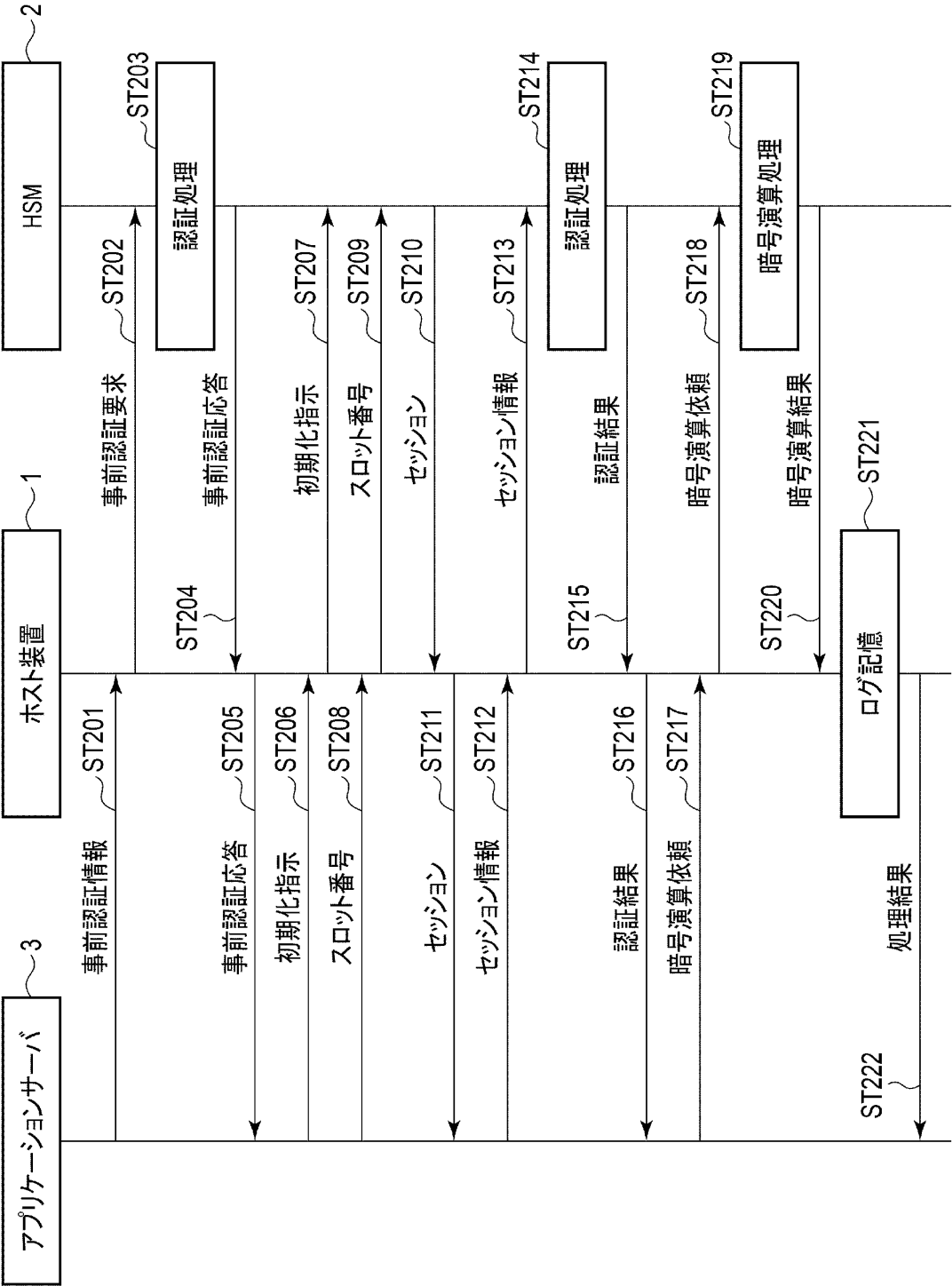
- Contains an **HSM (Host Security Module)** and an **HSM Setting Application (HSM 設定アプリ)**.
- Communicates with the Security Module via several data flows:
 - ST101:** Manager User ID, Manager Authentication Information.
 - ST103:** Ticket, Validity Period.
 - ST104:** User Registration Request, Ticket, User ID.
 - ST106:** Authentication Information.
 - ST107:** Authentic Authentication Information, User ID, Fake Authentication Information, Authentic Authentication Information.

Security Module (201):

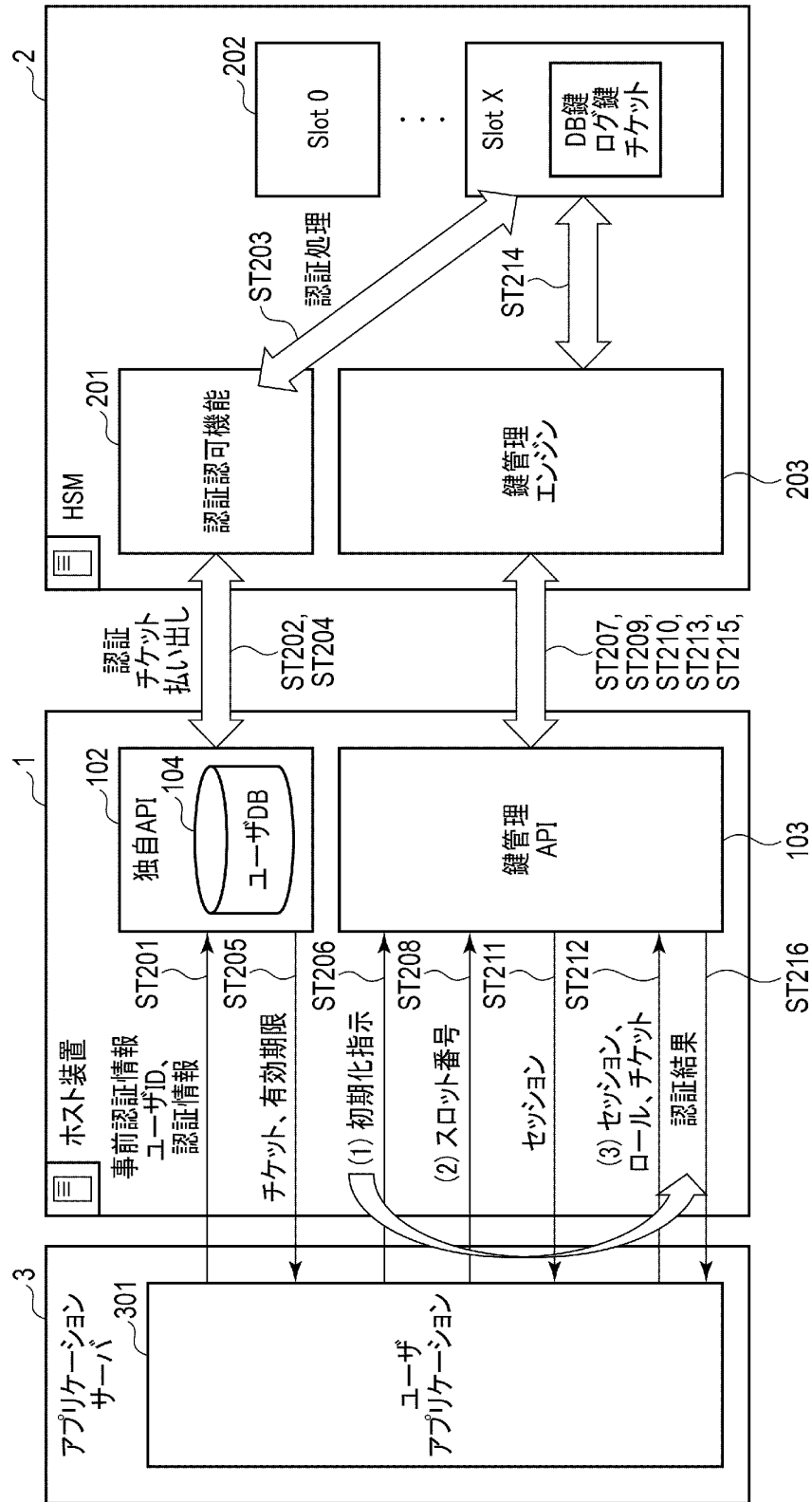
- Contains an **HSM** and a **Recognition/Authentication Function (認証認可機能)**.
- Communicates with the Host Device via several data flows:
 - ST102:** Fake Authentication Information Issuance, User ID, Fake Authentication Information, User ID Storage.
 - ST105, ST106:** Authentic Authentication Information, DB Key, Decryption, User ID Storage.
- Includes a **Slot 0** and a **Slot X** (containing **DB Key** and **Logout Key**).
- Communicates with the Host Device via **ST109** (Authentic Authentication Information, User ID, Fake Authentication Information, Authentic Authentication Information).

The diagram shows the flow of data between the Host Device and the Security Module, highlighting the use of the HSM for secure operations and the Recognition/Authentication Function for processing authentication requests.

[図7]



[図8]



[図9]

