



US 20240214207A1

(19) **United States**

(12) **Patent Application Publication**  
**FUKUDA**

(10) **Pub. No.: US 2024/0214207 A1**

(43) **Pub. Date: Jun. 27, 2024**

(54) **INFORMATION MANAGEMENT SYSTEM,  
AUTHENTICATION DEVICE, AND  
PERSONAL INFORMATION SERVER**

**Publication Classification**

(51) **Int. Cl.**  
**H04L 9/32** (2006.01)  
**H04L 9/08** (2006.01)  
(52) **U.S. Cl.**  
CPC ..... **H04L 9/3231** (2013.01); **H04L 9/0825**  
(2013.01); **H04L 9/3228** (2013.01); **H04L**  
**9/3247** (2013.01)

(71) Applicants: **KABUSHIKI KAISHA TOSHIBA,**  
Tokyo (JP); **TOSHIBA**  
**INFRASTRUCTURE SYSTEMS &**  
**SOLUTIONS CORPORATION,**  
Kawasaki-shi Kanagawa (JP)

(72) Inventor: **Aki FUKUDA,** Yokohama Kanagawa  
(JP)

(73) Assignees: **KABUSHIKI KAISHA TOSHIBA,**  
Tokyo (JP); **TOSHIBA**  
**INFRASTRUCTURE SYSTEMS &**  
**SOLUTIONS CORPORATION,**  
Kawasaki-shi Kanagawa (JP)

(21) Appl. No.: **18/598,070**

(22) Filed: **Mar. 7, 2024**

**Related U.S. Application Data**

(63) Continuation of application No. PCT/JP2022/  
034254, filed on Sep. 13, 2022.

**Foreign Application Priority Data**

Sep. 17, 2021 (JP) ..... 2021-151866

(57) **ABSTRACT**

An information management system includes an authentication device and a personal information server.

The authentication device includes a sensor, a memory, an interface, and a first processor. The personal information server includes a communication unit, a data memory, and a second processor. The first processor outputs information indicating a location of the personal information server to the terminal device if a biometric verification between the biological information acquired by the sensor and the biological information stored in the memory is successful. The second processor supplies the personal information of the holder of the authentication device stored in the data memory to the terminal device in response to a request from the terminal device to which the authentication device is connected.

