

**Title of Invention: DATA MANAGEMENT SYSTEM, DATA MANAGEMENT METHOD,  
AND DATA MANAGEMENT PROGRAM**

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**ABSTRACT**

The data management system 80 manages data of users who use a facility. The arrival time prediction unit 81 predicts an arrival time of the user at the facility. The registration unit 82 acquires authentication data used for authentication of the user from an external device based on  
10 the predicted arrival time and registers it in a local storage device. The exit time prediction means 83 predicts an exit time of the user from the facility. The deletion means 84 deletes the authentication data from the storage device after the predicted exit time of the user.

Fig. 8