CLAIMS

1. A portable authentication device comprising:

a fingerprint sensor which acquires a fingerprint image as biological information;

a communication interface which communicates with a device;

a memory which stores feature information of a fingerprint image of a registrant for use in biometrics and management information indicating a device which the registrant has a right to use; and

a processor which obtains a device ID that identifies the device which communicates through the communication interface, authenticates whether a user whose fingerprint image has been acquired by the fingerprint sensor is the registrant having a right to use the device communicated through the communication interface, based on a result of the authentication and the management information, determines whether the registrant has a right to use the device identified by the device ID obtained by the registrant, and in a case where the registrant has the right to use the device, transmits a result of the authentication to the device communicated through the communication interface.

2. The portable authentication device of claim 1, wherein the memory stores feature information of fingerprint images of a plurality of registrants and management information indicating a registrant having a

right to use a specific device.

3. The portable authentication device of claim 1, wherein the memory stores feature information of fingerprint images of a plurality of registrants and management information indicating a registrant having a right to use a plurality of devices.

4. An IC card comprising:

a fingerprint sensor which acquires a fingerprint image;

a module including a communication interface which communicates with a device, a memory which stores feature information of a fingerprint image of a registrant for use in fingerprint authentication and management information indicating a device which the registrant has a right to use, and a processor which obtains a device ID that identifies the device which communicates through the communication interface, authenticates whether a user whose fingerprint image has been acquired by the fingerprint sensor is the registrant having a right to use the device communicated through the communication interface, based on a result of the authentication and the management information, determines whether the registrant has a right to use the device identified by the device ID obtained by the registrant, and in a case where the registrant has the right to use the device, transmits a result of the authentication to the device communicated through the communication interface; and

a main body incorporating the fingerprint sensor and the module which are connected to each other.

5. An authentication system including an access control device and a portable authentication device, wherein:

the access control device includes:

a reader/writer which communicates with the portable authentication device; and

a processor which requests the portable authentication device communicated through the reader/writer to authenticate whether a user has a right to use the access control device, and restricts an operation of the access control device in accordance with a result of the authentication by the portable authentication device; and

the portable authentication device includes:

a fingerprint sensor which acquires a fingerprint image as biological information;

a communication interface which communicates with the access control device;

a memory which obtains a device ID that identifies a device which communicates through the communication interface, stores feature information of a fingerprint image of a registrant for use in biometrics and management information indicating a device which the registrant has a right to use; and

a processor which authenticates whether a user

whose fingerprint image has been acquired by the fingerprint sensor is the registrant having a right to use the access control device communicated through the communication interface, based on a result of the authentication and the management information, determines whether the registrant has a right to use the device identified by the device ID obtained by the registrant, and in a case where the registrant has the right to use the device, transmits a result of the authentication to the access control device communicated through the communication interface.