where bringing-out of the gaming currency from the gaming floor of the gaming facility is prohibited, it is desirable to detect in a non-contact manner the gaming currency tried to be brought out by a player at a gate. There is also a case where bringing-out of the gaming currency from the gaming floor is permitted on condition of a declaration. In this case, it is also desirable to detect in the non-contact manner the gaming currency tried to be brought out by a player without the declaration.

[0006]

U.S. Patent No. 9183479 discloses a gaming chip wherein a microchip is built in and an EM material of a coil, a metal foil and the like is built in in order to prevent an employee from trying to take out a valuable token from the gaming floor illicitly.

[0007]

However, it is not described in U.S. Patent No. 9183479 how to use an EM signal from the EM material and an RFID signal from the IC chip to manage the gaming chip. In addition, in the gaming chip in U.S. Patent No. 9183479, it is described that the size of an EM coil is necessary to be the same as or larger than an antenna in order to avoid interference between the EM signal and the RFID signal. Thus, in the U.S. Patent No. 9183479, the size and the arrangement of the EM coil and the antenna are limited.

SUMMARY OF THE INVENTION

[0008]

Therefore, the object of the present invention is to provide a management system configured to manage a gaming currency using an EM wire member and an RFID part, and a gaming currency wherein an EM wire member is detectable and an RFID part is readable.

[0009]

A management system according to an aspect of the present invention is a management system configured to manage a gaming currency to be used for betting in a game in a casino and has a configuration wherein the gaming currency includes a built-in EM wire member and a built-in RFID part configured to store information, the RFID part includes an IC chip configured to store the information so as to be readable and an antenna connected to the IC chip, the management system comprises: a gate including an EM detecting system

configured to detect presence of the gaming currency possessed by a passing person passing therethrough by detecting presence of the EM wire member; and an RFID reading system configured to read the information from the RFID part, the management system is a system configured to manage the gaming currency permitted to be brought out to outside of the gate or brought in to inside of the gate on condition of a declaration, and the RFID reading system is configured to: read the information from the RFID part of the gaming currency declared by the passing person; or read the information from the RFID part of the gaming currency detected by detecting the EM wire member by the EM detecting system, and the management system further comprises a registering device configured to store in a database the information of the gaming currency read by the RFID reading system as information on the gaming currency related to bringing-out or bringing-in.

[0010]

By this configuration, it is possible to detect or inspect the gaming currency of a player passing through the gate using the EM wire member and the RFID part built in the gaming currency.

[0011]

The above management system may be a system configured to manage the gaming currency permitted to be brought out to outside of the gate or brought in to inside of the gate on condition of a declaration, the RFID reading system may be configured to read the information from the RFID part of the gaming currency declared by the passing person, and the management system may further comprise a registering device configured to store in a database the information of the gaming currency read by the RFID reading system as information on the gaming currency related to bringing-out or bringing-in.

[0012]

By this configuration, it is possible to manage the gaming currency effectively in the case where the gaming currency is permitted to be brought out to the outside of the gate and brought in to the inside of the gate on condition of a declaration.

[0013]

In the above management system, the RFID reading system may be configured to read the information from the RFID part of the gaming currency to be brought in to the inside of the gate,

the registering device may be configured to store in the database the information of the gaming currency to be brought out to the outside of the gate by the passing person as the information of the gaming currency related to the bringing-out, and the management system may further comprise an inspecting device configured to inspect whether