

ABSTRACT OF THE DISCLOSURE

POWER-FREE ELECTRONIC CONTAINER LOCK WITH UHF OMNIDIRECTIONAL ANTENNA

5

A power-free electronic container lock with UHF omnidirectional antenna includes a hollow lock bar and a lock body. The lock bar has an RFID chip and a cable connector embedded
10 therein to electrically connect each other. The lock body internally includes a mating connector corresponding to the cable connector in the lock bar, and an antenna connected to the mating connector. When the lock bar is
15 extended into the lock body to lock the container lock, the cable connector in the lock bar is connected to the mating connector in the lock body to thereby connect the RFID chip to the antenna, allowing data on the RFID
20 to be normally transmitted via the antenna to an external reader and read.

Figure 2