

MONITORING DEVICE AND SYSTEM

ABSTRACT

The present invention relates to a monitoring device and system, the monitoring device comprises a sensing module arranged to detect a condition of an object associated with the monitoring device; a wireless communication module operably connected with the sensing module, the communication module being arranged to communicate the condition detected by the sensing module to an external electronic device; and an identification module with a unique identifier arranged to be read for identifying the monitoring device. During transportation and storage of object, it is desirable to monitor some physical properties continuously, detect anti-counterfeiting and track the location of the object. By utility a smart monitoring device described in the present invention as an add-on to the old boxes in cold-chain logistic, the present invention allows users to obtain such data in real time, and further transmits the data to external devices for warning and analysis, thus improving the reliability and efficiency in a supply chain.

Figure 1