

Abstract

Provided is a smart door lock, comprising a signal receiving circuit for
5 receiving an unlocking or locking cipher transmitted by smart unlocking device in a
short distance communication way, a central processor for outputting an unlocking
instruction upon determining that the unlocking cipher received by the signal
receiving circuit satisfies a predetermined unlocking condition, and an executing part
for receiving the unlocking instruction output by the central processor and executing
10 unlocking according to the unlocking instruction. Furthermore, the predetermined
unlocking condition comprises left unlocking times and an unlocking time period;
and by introducing in the left unlocking times and the unlocking time period, the
door opening times and the unlocking time can be limited under some special use
circumstances. An unlocking system and an unlocking method are also disclosed.
15 According to the present invention, the smart door lock can be opened in a simple
and feasible way.