

ABSTRACT

LOCKING SYSTEM

- 5 A locking system for preventing unauthorised access to, or removal of, coveted items, said system including: (a) a sensor for receiving input from an external source; (b) locking apparatus operable between open and closed conditions of use so as to respectively allow and prevent access to, or removal of, said coveted item; (c) one or more computer processors in communication with computer readable data storage
- 10 including a plurality of executable instructions stored thereon which, when executed, cause the one or more processors to perform the steps of: (i) receiving said receiving input from said sensor; (ii) converting said input into a series of beats; (iii) generating data representing time intervals between each beat in the series of beats; (iv) identifying a shortest one of said time intervals and defining a set of classification
- 15 intervals, each being a unique multiple of the shortest one of said time intervals; (v) assigning each beat in the series with a corresponding one of said classification intervals based on a respective one of said time intervals; (vi) generating a passcode by representing each beat in the series of beats with a number representing an associated classification interval; (vii) comparing the passcode with a secret passcode
- 20 stored in said data storage; and (viii) if the passcode matches the secret passcode, then sending a signal to open the locking apparatus.

FIGURE 9