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(57) Abstract :

A remote-based antitheft device for bicycle comprises, a pair C-shaped bars 1 is installed with a horizontal link 2 configured over a shaft 3 to form a pedal, a pair of motorized ball and socket joint 4 for providing multidirectional of the bars, a computing unit linked with a microcontroller to input the commands regarding mode of usage, a pair of L-shaped telescopic pins 5 for inserting to a pair of circular slots 6 crafted at the other end of the bars 1, a biometric scanner 7 for authenticating the user, a pair of extendable magnetic blocks 8 for locking a frame rod of bicycle, a telescopic pole for standing the bicycle, a motion sensor for sensing the motion of the bicycle, pressure sensor for sensing the pressure applied by the individual, and an AI(Artificial Intelligence ) based imaging module for capturing the images of the individual.

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