

Reference Number: 025418/0098

Title of the Invention

SIGNALIZING APPARATUS FOR BICYCLES

Invention

The aim of the invention; by the help of a body fixed to the bicycle body by means of connecting arms, at least one rotation element placed inside the body, extending to contact the front and/or rear wheel, at least one generator to which this rotation element is connected, at least one lighting element electrically connected to the generator VE containing a sensor that detects motion, inactivity or deceleration and is used to automatically activate the lighting element. A signaling apparatus suitable for use on bicycles with a front and rear wheel, a bicycle frame on which the front and rear wheels are fixed, connecting rods, it is ensured that the mechanical energy generated by the cyclist is converted into electrical energy by means of the generator and battery inside the body, which will preferably be placed on the rear wheel of the bicycle, and this energy is used in a way to increase the visibility for the safety of the bicycle.

Advantages

With this invention, excess energy can be stored and used as a power source and charging is provided. In another embodiment of the invention, it contains at least one USB port located on the body. In this way, it is ensured that electronic devices are connected to the battery via this USB port and act as a power source. In addition, with this application, the headlight attached to the front of the bicycle is also lit by using a USB cable.

Current Status

TURKEY: Pending

Keywords

A generator that converts motion energy into electrical energy, battery, dynamo

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