



(11) Utility model Number: 347

(24) Registration date: 19/04/2021

(12) UTILITY MODEL

(21) **Application Number:**
2020/1494

(22) **Filing Date:**
15/12/2020

(73) **Owner:**

JOMO KENYATTA UNIVERSITY OF AGRICULTURE
AND TECHNOLOGY, JKUAT of P. O. BOX 62000-
00200, NAIROBI, Kenya

(72) **Inventors:**

MOSES G. KAMURI, P. O. BOX 56-00223 KAGWE;
MARIA M. MULI, P. O. BOX 1843-00200, NAIROBI;
HAZEKIAH CHEGE NG'ANG'A, P. O. BOX 180-
00618, NAIROBI and STEPHEN KIAMBI, P. O. BOX
2733-60200, MERU

(74) **Agent/address for correspondence:**

JOMO KENYATTA UNIVERSITY OF AGRICULTURE
AND TECHNOLOGY, JKUAT, P. O. BOX 62000-
00200, NAIROBI, Kenya

(51) Int.Cl.2016.01: G 06Q 10/00, G 06Q 30/00, G 06Q 20/00

(54) **Title:** MOTORCYCLE LOAN PAYMENT TRACKING SYSTEM

(57) **Abstract:** The present invention discloses a system for motorcycle tracking and loan repayment, a Global Positioning System (GPS), a microcontroller, a relay and pressure sensor. In this invention a real time tracking system is presented wherein processed data from the microcontroller placed in the motorcycle is sent to the web server for storage, computation of charge, and monitoring. A Global System for Mobile Communications (GSM) (1) provide both data and Short message services. A client upon purchasing of a motorcycle have personal details and motorcycle information stored in the database of the webserver (11) according to Fig. 1. The microcontroller, GSM and relay are placed in the motorcycle and anchored on a pressure sensor to enhance security in cases of theft of the system. The seller of the system can track the distance covered and switch the motorcycle via the GSM upon failure to repay the loan.