

THE INDUSTRIAL PROPERTY ACT 2014

Utility Model

(12) Uganda utility model **UG/U/2023/000002** (19) (11)

(54) Title of invention **A Method and System for Country-Wide Reporting and Visualization of Hospital-Managed Cases of Infectious Diseases.**

(51) International classification
Int. CL4. **G06F 16/26**

(21) Application number **UG/U/2023/000002** (73) Applicants **Umar Yahya**

(22) Filing date **16/01/2023** (72) Inventor(s)
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(24) Date of grant **25/10/2023**

(30) Priority date **N/A**

(33) Country **N/A**

(31) Number **N/A**

(32) Date **N/A**

(74) Agent **N/A**

(56) Documents cited **AP/P/2009/000008, UG/U/2021/000008**

(58) Field of search **Reporting systems and methods**

(57) **Abstract**

A method and system of countrywide reporting and visualization of hospital-managed cases of infectious diseases such as COVID-19 and Ebola, is presented in this application. The method simply requires health centres treating infected persons across the country, to continually report each case pertaining to a specific infectious disease. For a particular disease, a case could be either a new confirmed case, a recovered case, or a death case. The report is logged by a single push of the respective push button corresponding to one of the three possible cases for a particular infectious disease. The simple push of a push button effectively transmits the reported case alongside the geographical location coordinates of its housing device, to a custom-built cloud-hosted database application-programming interface (API). Using the API, through custom-built mobile and web applications, the public is now able to instantly view this continually relayed data from health centers across the country. Region-specific statistics and infection trends are also computed for each disease outbreak, and statistical graphs are made available for viewing by the general public via both the mobile and web applications. Sharing of information in a seamless and transparent manner is a crucial aspect in the management of an outbreak of any infectious disease. This is particularly crucial, from a viewpoint of public health authorities having the support and cooperation of the general public in the handling of such outbreaks. Therefore, this invention enhances a country's readiness and preparedness handle future outbreaks of infectious diseases, in as far as real-time reporting and visualization of infected cases countrywide, is concerned.