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(57) Abstract :

In my invention VM- SYSTEM. A method and system of determining a cost of automobile problem detection upon monitoring, recording and communicating data representative of operator and vehicle driving characteristics. The cost is adjustable retrospectively and can be prospectively set by relating the driving characteristics to predetermined safety standards. The method comprises steps of monitoring a plurality of raw data elements representative of an operating state of the vehicle or an action of the operator. Selected ones of the raw data elements are recorded when the ones are determined to have an identified relationship to safety standards. Also my invention VM- SYSTEM A computer implemented method and system for determining reliability of a machine includes receiving one of a machine data from one or more locations through an internet of things (IOT) based machine wearable sensor network. The method further includes storing the data in a distributed computer database communicatively coupled to an enterprise resource planning (ERP) system and extracting, through a computer server, one or more entity information from the data to compare against a pre¬defined baseline. Further, mapping, though a big data machine learning engine, the extracted one or more entity information into a multi-classification model. The method includes indicating, through a machine learning engine coupled to a predictive analytics engine, on a user interface a set of analytical predictions for machine maintenance, repair and operation. My invention VM- SYSTEM A Methods and apparatuses for optimizing performance using data from an Internet of Things (IoT) device with analytics engines. The method receives, from a requesting Internet of Things (IoT) device, a request for trend data of physical resource consumption based at least in part on a portion of received data from at least one of a plurality of IoT devices. The method retrieves, from memory of an analytics engine, at least the portion of the received data. The method calculates, in a calculator of the analytics engine, the trend data based on at least the portion of the received data. The method transmits, to the requesting IoT device, the calculated trend data, wherein the requesting IoT device adjusts parameters in an IoT device using the calculated trend data and manage the required things.

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