

(54) Title of the invention : BRIDGE MONITORING DEVICE

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(57) Abstract :

A bridge monitoring device is disclosed. The device comprises a set of sensors configured with a bridge to sense one or more attributes associated with a load of vehicles moving on the bridge, a control unit operatively coupled with a transceiver and the set of sensors. The control unit to monitor real-time load of moving vehicles based on sensed one or more attributes, and compare the monitored real-time load with a pre-defined or a configurable threshold load. Moreover, based on comparison when the monitored impact load is more than or equal to threshold impact load the control unit generates an alert signal.

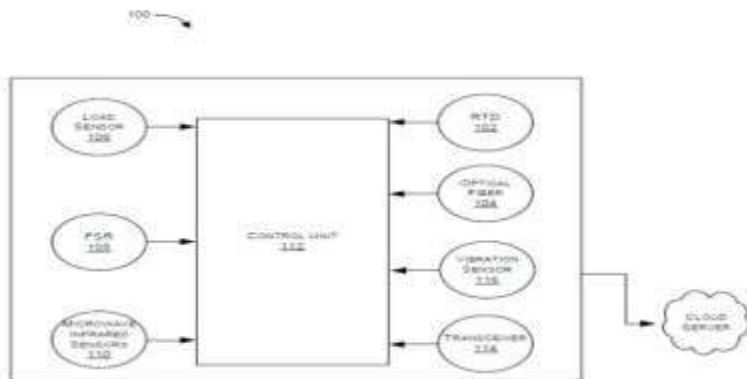


FIG. 1A

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