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## (57) Abstract :

The present disclosure discloses a system (100) configured to be attached with a borewell (202) to detect damages in the bore-well at an early stage, thus reducing loss. The bore-well drills into an underground aquifer on earth's surface, to extract water for various purposes such as agriculture. In addition, a set of sensors (102) are positioned at various location to detect one or more parameters of the bore well, and the detected one or more parameters are analysed by a control unit (108) to detect damages such as spark in wire, smoke, burn smell, leakage, and etc. in the borewell at an early stage. Moreover, upon detection of any of the damage, a motor (104) of the borewell is automatically turned off to prevent significant loss, also owner/user is notified.

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