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(54) Title of the invention : BIO-GAS CYLINDER MONITORING AND REPLACING SYSTEM IN MOBILE BIO-TOILETS

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(57) Abstract :

Title: Bio-Gas Cylinder Monitoring and Replacing System in Mobile Bio-Toilets The present disclosure discloses an e-movable bio-toilet incorporated with monitoring and replacing system that alerts the driver to replace the cylinder once it is filled and simultaneously transmits wirelessly the bio-gas availability information to the gas inventory in real-time. The system 100 comprises a vehicle body 101, a toilet cabinet 102, a replaceable bio-gas cylinder 103, and a weight detection means 104, a pair of visual indication means 105, a signal transmitting means 106, and a dashboard controlling means. The system transmits the signal to the driver or the inventory either in an audibly or visually manner with colour representation of filling level indication of methane gas in the cylinder. The bio-gas monitoring and replacing system minimizes pollution by using electrical energy and generates good revenue by selling the methane gas that is extracted from the waste material.

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