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(57) Abstract :

The present invention discloses a system (100) and method for detecting and preventing theft of loaded goods during transportation from origin to destination. The novel anti-theft method is designed to ensure the proper transportation of goods from their origin to destination. The system (100) employs a combination of advanced technologies, including GPS tracking (4), load cell weighbridges (3), and Internet of Things/Global System for Mobile Communication (IoT/GSM) units (6), to monitor the real-time location and weight of loaded goods. Additionally, the invention incorporates a valve unit (9) connected to the vehicle's fuel supply, allowing for remote intervention in case of detected discrepancies or security breaches. The proposed invention aims to prevent theft, unauthorized access, and overloading during transportation, thereby safeguarding valuable resources and promoting sustainable development.

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