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(57) Abstract :

ABSTRACT Automated Smart Postal Box The present disclosure describes automated smart postal box 100 for automating and streamlining parcel services with intelligent interaction and payment systems. It comprises of weighing Module 200 comprising of load cells 202, sensors 204 and microcontroller 206, dimension identification module 300 comprising of machine learning algorithm 302 and sensors 304, screen-based interaction system 400, UPI/Card-Based Payment System 402, label/QR code generation system 404, user address input system 406, network system 408, parcel collection chamber 410. It automates the parcel sending process by eliminating the time-consuming visits to traditional postal offices and courier centers. It transcends traditional parcel-sending methods, ushering in a new era of accessibility, efficiency, and cost-effectiveness. Reference Figure 1

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