

ABSTRACT

MOBILE RECONFIGURABLE MODULAR ELECTRONIC FREIGHT TERMINAL AND FREIGHT CONTAINER MODULE THEREOF

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Disclosed is a unmanned handling unit for a reconfigurable decentralized shipping system, wherein a shipper first selects a freight container module of one of a plurality of sizes to pack at least one item, and then ships it to a predetermined target; the shipper inputs shipping information to the shipping system; when the shipper
10 and/or the predetermined target modifies the shipping information, delivery is modified in real time. The reconfigurable decentralized shipping system includes a plurality of transport means operating in respective operating areas and configured with at least one unmanned handling unit, each of the operating areas including a plurality of freight terminal staging points and at least intersected with at least another
15 one of the operating areas; the unmanned handling unit includes: a chassis including a load carrier having at least two wheels for bearing the freight terminal, and a plurality of action actuation means respectively for driving the wheels; a retractable assisted platform that is retractable relative to the chassis, the retractable assisted platform including a corpus provided with a group of transfer means for transferring the freight
20 terminal a corpus and a group of freight container module pickup and delivery means, and a retractable driving means configured to drive the corpus.

Fig. 7