

ABSTRACT

MOBILE RECONFIGURABLE MODULAR ELECTRONIC FREIGHT TERMINAL AND FREIGHT CONTAINER MODULE THEREOF

Disclosed is a unmanned handling unit for a reconfigurable decentralized
5 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
and/or the predetermined target modifies the shipping information, delivery is
modified in real time. The reconfigurable decentralized shipping system includes a
10 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
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
15 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
terminal a corpus and a group of freight container module pickup and delivery means,
and a retractable driving means configured to drive the corpus.

20 Fig. 7