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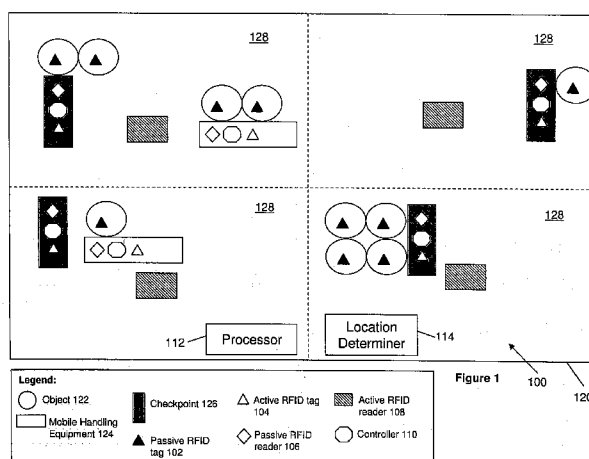
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(54) Title: SYSTEM AND METHOD OF TRACKING OBJECTS



(57) **Abstract:** A system and a method of tracking objects in a space area are provided. The system includes a plurality of passive radio frequency identification (RFID) tags, each passive RFID tag being disposed on an object; a plurality of active RFID tags, each active RFID tag being disposed at one of a plurality of checkpoints or on one of a plurality of mobile handling equipments in the space area; a plurality of passive RFID readers, each passive RFID reader being disposed at a respective checkpoint or on a respective mobile handling equipment and being configured to communicate with one or more detected passive RFID tags; a plurality of controllers, each controller being disposed at a respective checkpoint or on a respective mobile handling equipment and being configured to communicate with the corresponding passive RFID reader disposed at the checkpoint or on the mobile handling equipment; a plurality of active RFID readers, each active RFID reader being associated with one of a plurality of predefined zones of the space area and being configured to communicate with the active RFID tags of one or more checkpoints and/or the active RFID tags of one or more mobile handling equipments located in the associated predefined zone.