

ABSTRACT

An RFID-based intelligent medicine bottle control method, an apparatus, and a emergency cart. The method includes: putting medicine bottles (700) attached with RFID electronic labels (701) and reflecting infrared rays, into a medicine bottle storage rack (100); moving a movable worktable (200) including an infrared sensor (201) and a RFID read and write device (202) along the medicine bottle storage rack, and detecting and recording a position of the medicine bottle storage rack; when the movable worktable reaches each medicine bottle storage position (101), the infrared sensor detects whether the medicine bottle exists at the position according to a presence or an absence of an infrared reflection signal, if the medicine bottle exists at the position, reading, by the RFID read and write device, coding information and medicine bottle information in the RFID electronic label of the medicine bottle, and binding the coding information, the medicine bottle information and the position of the medicine bottle storage position in a corresponding relationship and then storing in a database; and repeating the previous step until the movable worktable has completed all the medicine bottle storage positions on the medicine bottle storage rack. The method improves the degree of intelligence during a medicine bottle storage management process, and can implement automatic entry of medicine bottle information and storage position information thereof, so that work efficiency is improved.

<FIGURE 1>

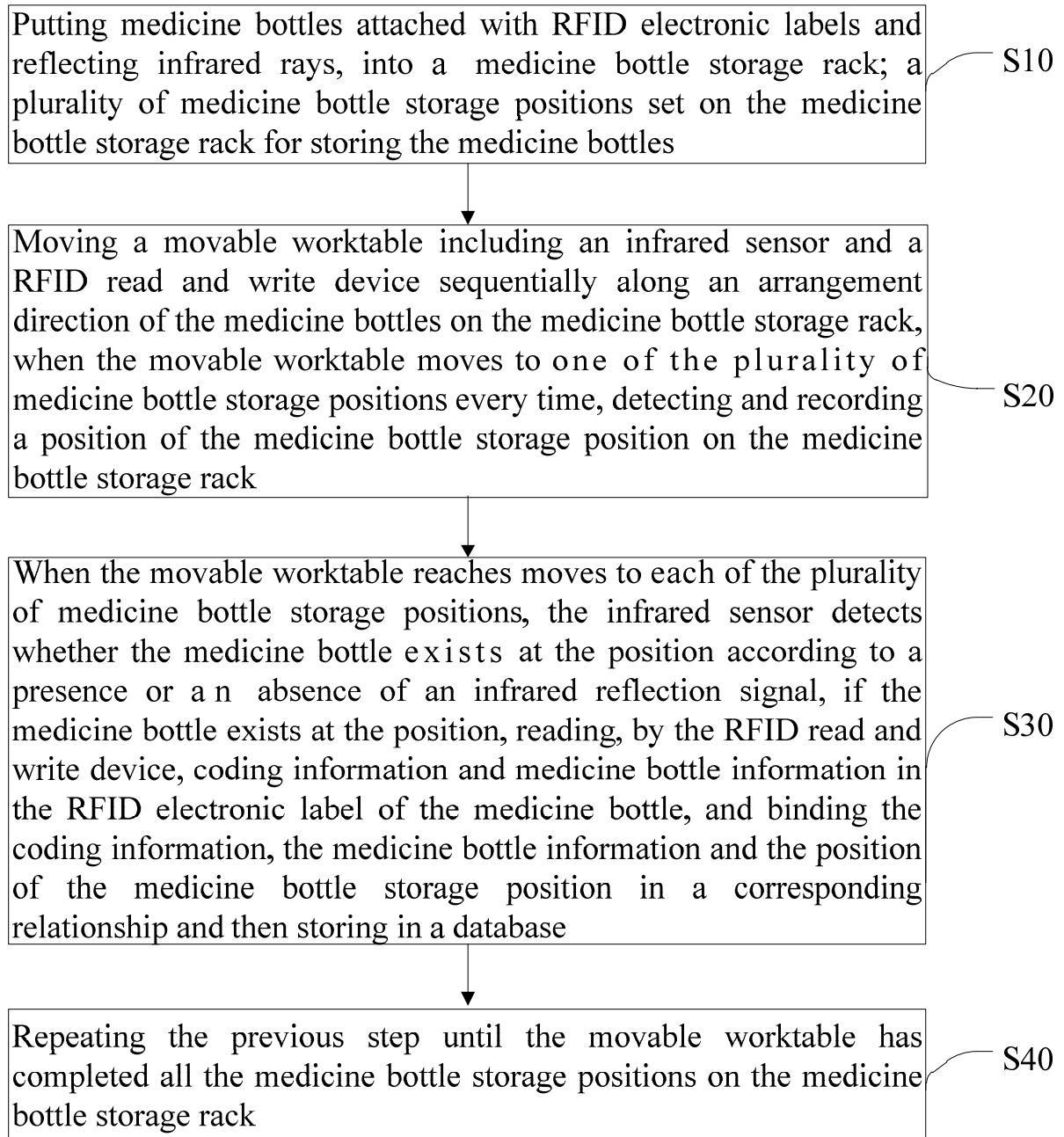


FIG. 1

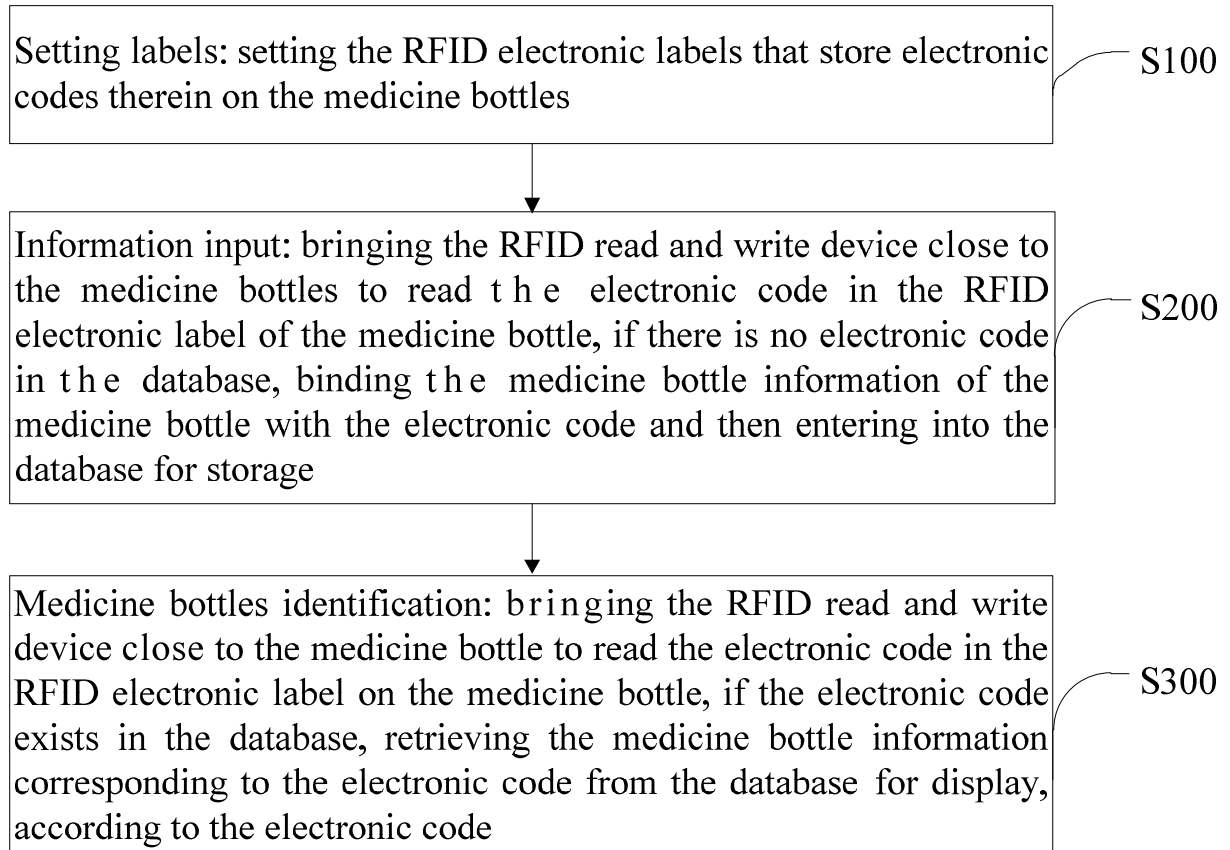


FIG. 2

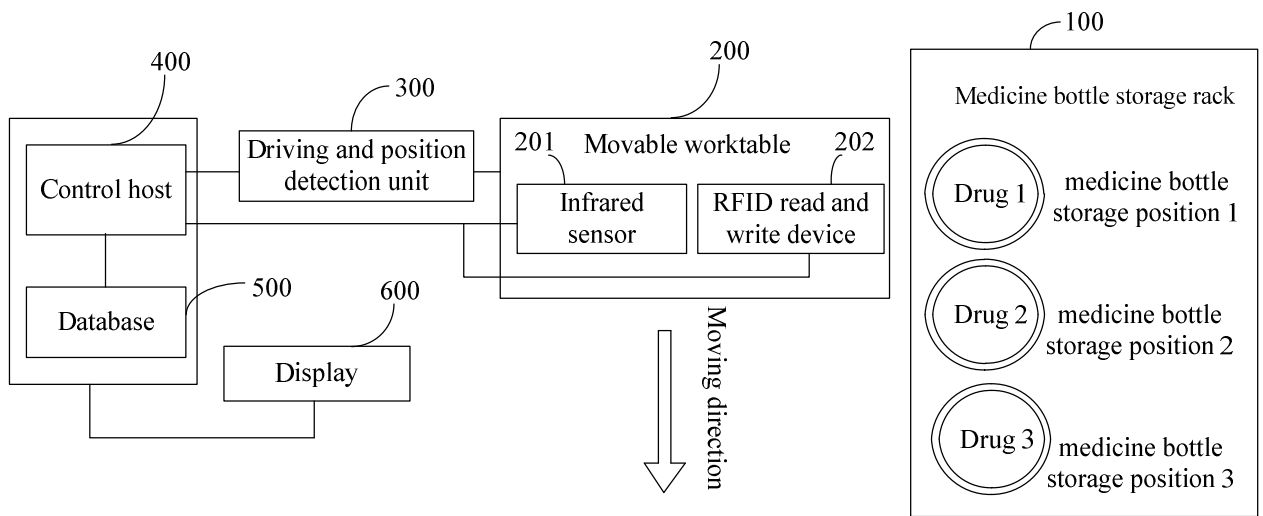


FIG. 3

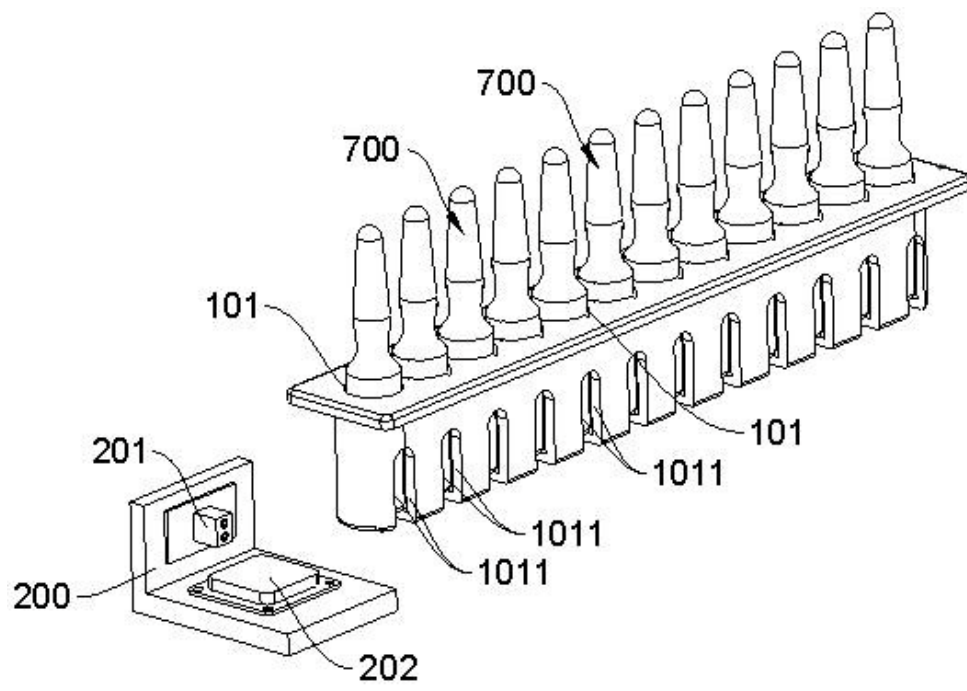


FIG. 4

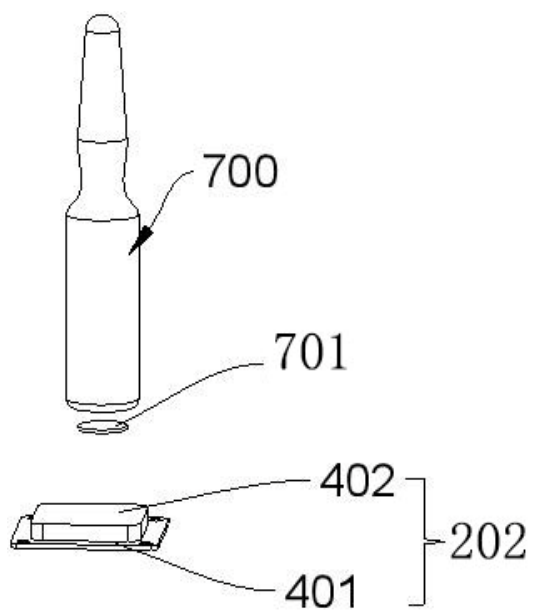


FIG. 5

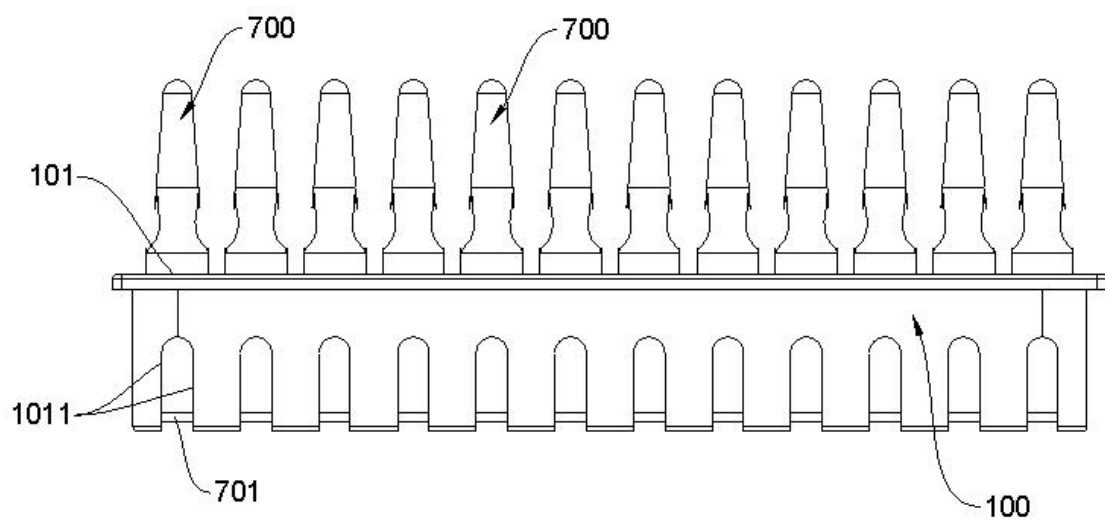


FIG. 6

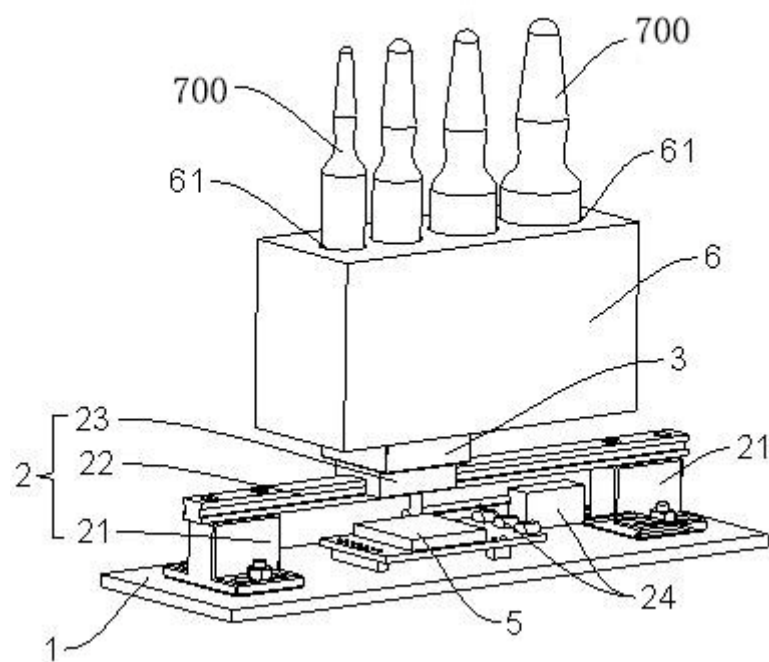


FIG. 7

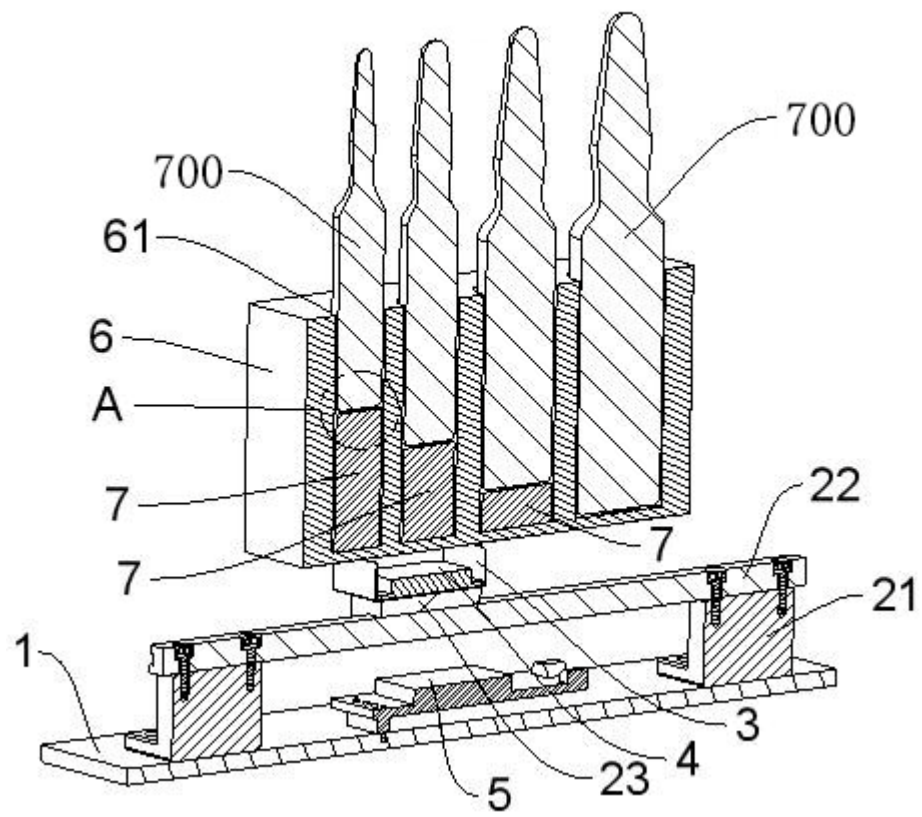


FIG. 8

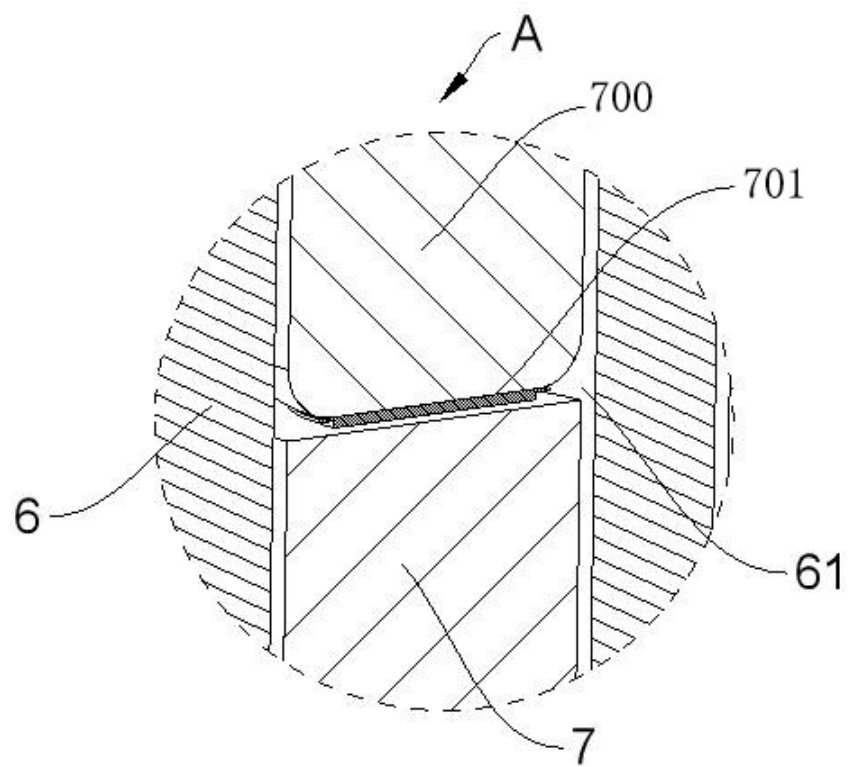


FIG. 9