ABSTRACT

A lidar system, a control method, and a control apparatus are provided. The lidar system (400) includes a transmitting unit (410), a first scanning unit (420), and a second scanning unit(430). The two scanning units are both disposed on a propagation path of a detection beam transmitted by the transmitting unit (410). The first scanning unit (420) performs slow-axis scanning on the detection beam through oscillation, and the second scanning unit (430) performs fast-axis scanning on the detection beam through continuous rotation. A scanning period of the second scanning unit (430) includes a first time period for idle scanning and a second time period for completing one fast scanning period in object space. The first scanning unit (410) rotates from one angular position to another angular position in the first time period, and keeps the angular position unchanged in the second time period. The lidar system (400) can be used in detection or sensing systems of new energy vehicles or intelligent driving vehicles, and can improve speed measurement and ranging performance of a lidar when a scanning apparatus is used.

FIG. 6