

TRAINING ROBOT, CONTROL METHOD, AND CONTROL SYSTEM

ABSTRACT

A training robot, a control method, and a control system. The robot comprises: a base (1); a ball ejection mechanism (3), which is arranged above the base (1), the ball ejection mechanism (3) comprising a ball cage (31), a ball grabbing apparatus (33), and a ball throwing device (34), the ball grabbing apparatus (33) being used for retrieving a ball in the ball cage (31) and placing said ball in the ball throwing device (34), and the ball throwing device (34) being used for throwing the ball; a ball hitting mechanism (4), which is arranged above the base (1), the ball hitting mechanism (4) comprising a racket (41), a flexible arm (43) and a racket support rod (48), the racket (41) being connected on the racket support rod (48) by means of the flexible arm (43); and a controller assembly (2), which is used for controlling the ball ejection mechanism (3) and the ball hitting mechanism (4). The ball hitting mechanism (4) is able to implement a more accommodating hitting mode, the ball ejection mechanism (3) is able to implement rapid, continuous, and variable speed ball ejection, and by means of the cooperation of the ball ejection mechanism (3) and the ball hitting mechanism (4), a more accommodating ball ejection mode can be implemented, different training needs of a user are satisfied, and the user is provided with a better training experience.

(FIG. 1)