

ABSTRACT

Provided are a crane super-lifting radius control method, a system, and a crane. The crane super-lifting radius control method includes: obtaining physical state information of a boom frame and a super-lifting boom (11); receiving first input of a user; determining, in response to the first input, a target super-lifting radius; and adjusting, when the physical state information of the boom frame and the super-lifting boom (11) is suitable for an adjustment of the super-lifting radius, a super-lifting radius on the basis of the target super-lifting radius and the physical state information. According to the crane super-lifting radius control method the system, and the crane, upon determining that the boom frame and the super-lifting boom (11) are suitable for an adjustment of the super-lifting radius, an angle of the super-lifting boom (11) is automatically adjusted by combining the physical state information of the boom frame and the super-lifting boom (11) with the target super-lifting radius inputted by the user, and thus, the auto-adjustment of the super-lifting boom (11) can be implemented, the adjustment of the super-lifting radius is more accurate, and the efficiency is improved.