

ABSTRACT

A crane (100) and a control method therefor are provided. The crane (100) comprises a body (1), a boom (2), a luffing mechanism (3), a tension sensor (4), and a controller (5). One end of the boom (2) is rotatably connected with the body (1). The luffing mechanism (3) is respectively connected to the body (1) and the boom (2). The tension sensor (4) is disposed on the luffing mechanism (3), and the tension sensor (4) is used for detecting a tension value of the luffing mechanism (3) to the boom (2). The controller (5) is electrically connected to the tension sensor (4) and the luffing mechanism (3), and the controller (5) is configured to determine that the arm length of the boom (2) exceeds an arm length threshold if the tension value is greater than a tension threshold.

Fig. 3