

PROPULSION CONTROL METHOD FOR ACTIVE ARTICULATION TYPE BORING MACHINE, CONTROLLER, AND CONTROL SYSTEM

Abstract

A propulsion control method for an active articulation type boring machine, a controller, and a control system, relating to the field of tunnel construction. The method comprises: acquiring an actual position of an active articulation type boring machine, a design axis, and a segment floating amount (110); on the basis of the actual position, the design axis, and the segment floating amount, calculating and planning a tunneling trajectory (120); and adjusting at least one of an actual deviation correction torque of a propulsion system and an actual articulation angle of an articulation system of the active articulation type boring machine, so that the actual position of the active articulation type boring machine matches the planned tunneling trajectory (130).

[FIG. 1]