

MAINFRAME ROTATION MECHANISM AND ROTATION METHOD FOR EXCAVATION APPARATUS

ABSTRACT

A mainframe rotation mechanism is of an excavation apparatus. The excavation apparatus includes a tubing unit, a base frame, and a mainframe. The base frame is disposed with the tubing unit as a center. The mainframe includes a horizontal frame and a plurality of columns. The horizontal frame includes a slide base for horizontally moving a hammer grab above the tubing unit. The plurality of columns support the horizontal frame above the base frame. The plurality of columns are arranged detachably from the base frame. A casing tube to be arranged in the tubing unit and the horizontal frame are coupled with each other through a rotation assist jig. The casing tube is rotated with the plurality of columns being detached from the base frame. The mainframe is rotated together with the rotation assist jig to a predetermined position.

(Fig. 4)