

DIAPHRAGM WALL EXCAVATOR

ABSTRACT

Provided is a diaphragm wall excavator including: a traveling unit; a base unit mounted on the traveling unit; a mud hose drum unit mounted on the base unit and configured to be able to unwind a mud hose in front of the base unit; a hydraulic hose drum unit mounted on the base unit and configured to be able to unwind a hydraulic hose in front of the base unit; a boom unit including a mud hose guide wheel serving as a pulley for the mud hose and a hydraulic hose guide wheel serving as a pulley for the hydraulic hose and provided on the front side of the base unit; a diaphragm wall excavation unit disposed in front of the base unit via the boom unit; a winch device configured to lift and lower the diaphragm wall excavation unit; and a controller configured to control a hydraulic pressure supply to each of the mud hose drum unit and the hydraulic hose drum unit by using a bidirectional hydraulic pump.

Fig. 2