

ABSTRACT

PILE PRESS-IN DEVICE AND PILE PRESS-IN METHOD

Provided are a pile press-in device and a pile press-in method that allow an efficient construction even when electrically powered devices and hydraulic devices coexist in order to give drive members a driving force. A pile press-in device (1) comprises a chuck (5) for gripping and rotating a pile (4) in order to press the pile (4) into a ground while rotating the pile (4). The pile press-in device (1) causes electric motors (6) corresponding to the electrically powered device of the invention to give the chuck (5) a driving force for the rotation. The chuck (5) is moved up and down by lift cylinders (7) which are hydraulically powered hydraulic devices. An integrated control board (50) controls the electric motors (6) and the lift cylinders (7) in an interlocked manner.

Fig. 4