

Abstract

A pile-forming method for a compound extruded and expanded pile, comprising using a compound extrusion and expansion drilling tool of pile-forming equipment for a compound extruded and expanded pile to drill, extrude, and expand to form a bore, wherein when upwardly rotating and lifting, expansion bodies of the compound extrusion and expansion drilling tool enlarge, and at the same time, a concrete pump is started up to pour a pile material under pressure into the pore for the pile, to reach a pile top mark height, obtaining a compound extruded and expanded pile. Pile-forming equipment for a compound extruded and expanded pile is also disclosed, comprising a compound extrusion and expansion drilling tool and a control system thereof. The compound extrusion and expansion drilling tool comprises a drill stem. A plurality of expansion bodies are provided on a threaded section of a drill bit of the drill stem.