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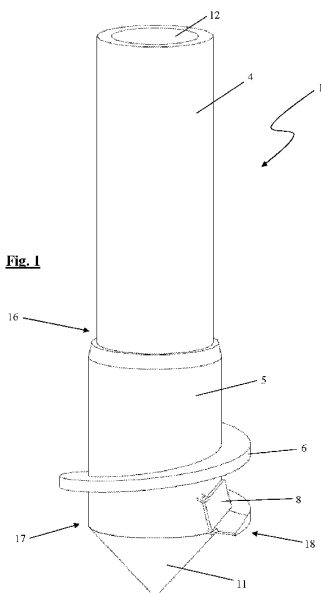
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(54) Title: SOIL-DISPLACEMENT DRILL AND METHOD FOR FORMING A SMOOTH FOUNDATION PILE WITH SUCH A SOIL-DISPLACEMENT DRILL

(57) Abstract: The invention concerns a soil-displacement drill (1) comprising: a drill pipe (4); a widening (5) at one end (16) of the drill pipe (4), which is provided with: - a screw blade (6) for screwing the drill (1) into the substrate (2), and - an outlet opening (7) for the passage of material (9) that is introduced for forming the foundation pile (3); - and a flap (8) which is movable between: - a first position for allowing unhindered screwing of the drill (1) into the substrate (2); and - a second position for preventing said material (9) from entering a screw groove, formed in the substrate (2) by the screw blade (6), during unscrewing of the drill (1) from the substrate (2). The invention also concerns a method for forming a smooth foundation pile (3) using such a drill (1).

Fig. 1



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