CLAIMS

1. An anchoring kit (100, 200, 300) for a drilling machine (10) comprising a frame (12) which carries a drilling module (16), the anchoring kit including at least a first anchoring module (110, 210, 310) which comprises:

a first part (112, 212, 312) including an anchoring device (114, 214, 314) for immobilizing the first part (112, 212, 312) in the soil;

a second part (116, 216, 316) including a fixing device (118, 218) for fixing the second part (116, 216, 316) to the frame (12), the second part (116, 216, 316) cooperating with the first part (112, 212, 312);

a displacement device (122, 222, 322) for moving the second part (116, 216, 316) relative to the first part (112, 212, 312) along a first direction (A), said displacement device (122, 222, 322) of the first anchoring module including an actuator (124) connected to the first part (112, 212) and to the second part (116, 216, 316) of the first anchoring module;

wherein the anchoring device (114) includes a first and a second anchoring pad (140, 142) which are deployable along a second direction (B) transverse to the first direction (A), the direction of deployment of the first anchoring pad (140) being opposite to the direction of deployment of the second anchoring pad (142).

2. The anchoring kit according to claim 1, wherein the actuator (124) comprises a hydraulic cylinder (126), and wherein the anchoring kit (100, 200, 300) further includes a hydraulic fitting (130) connected to the hydraulic cylinder, the hydraulic fitting being configured to be connected to a hydraulic hose (13) of the frame (12).

3. The anchoring kit according to any one of the preceding claims, wherein the first part (112) further includes a body (144), and the anchoring device (114) includes at least one actuator (146, 148) connected to the first and second anchoring pads, the actuator being slidably mounted relative to the body along a third direction (C) transverse to the first direction (A).

4. The anchoring kit according to any one of the preceding claims, wherein the first anchoring module (110) further includes a guide system (150) for guiding the displacement of the frame (12) relative to the first part (110).

5. The anchoring kit according to claim 4, wherein the guide system includes a first portion (152) and a second portion (154) slidably mounted relative to the first portion, wherein the second portion (154) includes members for fixing to the frame, while the first portion is fixed to the anchoring device (156).

6. The anchoring kit according to any one of the preceding claims, characterized in that it further includes a second anchoring module (110') having a first part and a second part.

7. The anchoring kit according to claim 6, characterized in that it further includes a connecting device (170, 370) for securing together the first and second anchoring modules (110, 110').

8. The anchoring kit according to claim 7, wherein the connecting device (370) includes a passage (372) for guiding the displacement of the frame (12), wherein the displacement device (322) of the first anchoring module includes a first actuator (323) disposed between the connecting device and the second part (316) of the first anchoring module (310) and the second anchoring module has a displacement device comprising a second actuator (325) disposed between the connecting device (370) and the second part (316') of the second anchoring module (310').

9. A drilling machine (10) including a frame (12) extending along a longitudinal direction (X) and having a lower part (12b) carrying a drilling module (16), said drilling machine further including an anchoring kit (100, 200, 300) according to any one of the preceding claims, the second part (116, 216, 316) of the first anchoring module (112, 212, 312) being fixed to the frame (12).

10. The drilling machine according to claim 9, wherein the lower part of the frame is provided with a pump (15), said drilling module being provided with cutting drums (18) rotating about axes (Y, Z) perpendicular to the longitudinal direction, in which the length of the drilling machine is less than 7 meters.

11. The drilling machine according to claim 9 or 10, wherein the length of the anchoring kit (100, 200, 300) is substantially equal to the length of the frame.

12. The drilling machine according to any one of claims 9 to 11, wherein the second part (116, 316) is disposed between the first part (112, 312) and the drilling module.

13. The drilling machine according to any one of claims 9 to 11, wherein the first part (212) is disposed between the second part (216) and the drilling module, and wherein the displacement device is configured to exert a pull on the frame directed downwardly.

14. A method for modifying a drilling machine, wherein there is provided a drilling machine (10) with a frame (12) extending along a longitudinal direction, the frame having a lower part carrying a drilling module, the method in which:

an anchoring kit (100, 200, 300) according to any one of claims 1 to 8 is provided;

the second part (116, 216, 316) of the first anchoring module of the anchoring kit is fixed to the frame so that the first direction is parallel to the longitudinal direction.