

ABSTRACT

BORING DEVICE AND TORQUE SUPPORT FOR A BORING
DEVICE.

The invention relates to a boring device for the creation of earth bore holes having a boring string, a boring tool, a pump mechanism and a fluid line, which extends from the pump mechanism to the boring tool. The pump mechanism is a hose pump, the hose of which is held to the boring string to prevent rotation. Furthermore, there is provision for a pump stator, which on one side is located to enable rotation to occur around the boring string and on the other side is located against a wall of the earth bore hole to prevent rotation. The pump stator features stator arms, which lie squeezed up against the hose and thus, on brushing over the hose when the hose rotates with the boring string, produces a pumping effect. The invention relates also to a torque support for a boring device for tapping off a torque from a boring string in an earth bore hole. The torque support comprises a main body, having holders attached thereto, located to be able to be rotated in relation to the boring string. The compression device presses the holders radially outwards, on whose holders is located at least one rotatable roller body, in order to move the torque support in longitudinal direction in an earth bore hole.

FIGURE 1