

ABSTRACT

The invention relates to a trench cutting device and a method for producing a cut trench in the ground, wherein the trench cutting device has a trench cutter and a supporting means which is designed for lifting and lowering the trench cutter into the ground, wherein the trench cutter is connected at its upper end to the supporting means and at its lower end has at least one cutting wheel which is rotatably supported and can be driven in a rotating manner via a rotary drive in order to remove ground material, wherein a target value for an advancing speed of the trench cutter during removal of ground material can be preset in a control unit, through which a lowering of the trench cutter by the supporting means into the ground is controlled. For an efficient cutting operation provision is made in that the advancing speed is controlled by means of the control unit depending on a rotational speed and/or a torque of the at least one cutting wheel, wherein on reaching a preset limit value for the rotational speed and/or for the torque the advancing speed of the trench cutter is reduced with respect to the target value for the advancing speed.

Figure 1