

The invention relates to the mechanical engineering, particularly to processes for cutting different materials with the help of portable devices with mobile cutting tool.

The process for material cutting, according to the first variant, includes utilization of a portable mechanized device, equipment with a drive and a mobile cutting tool, manual advance of the cutting tool into the cutting zone. Novelty consists in that before cutting it is installed the cutting tool at a safe adjustably spaced distance with the help of a detachable intermediate device, which is fixed on the portable mechanized device and includes an extendable arrester, a turning tongue and a gripping mechanism, it is slid out the arrester, it is rotated the tongue in the position suitable for work, it is fixed the arrester with the help of the gripping mechanism and it is maintained the arrester at a preset distance up to the termination of the cutting process.

The process for material cutting, according to the second variant, is characterized in that before cutting it is installed the cutting tool at a safe adjustably spaced distance with the help of the intermediate device, built-in into the portable mechanized device.

The device for material cutting, according to the first variant, comprises a drive, mounted into the body (1), and a mobile cutting tool (2). Novelty consists in that the device is equipped with an intermediate device, made detachable, including an extendable arrester (3), installed into the body (1) with the possibility of adjusting the safe distance at the installation of the cutting tool (2). The arrester (3) is made in the form of two guides (4), joined by means of a plate (5), on which it is mounted the turning tongue (10), and on the body (1) of the device it is installed the gripping helical mechanism for fixation of the position of the extendable arrester (3).

The device for material cutting, according to the second variant, is characterized in that the intermediate device in made built-in.

Claims: 6

Fig.: 6

