

Method and apparatus for simultaneously slicing a multiplicity of slices from a workpiece

Abstract

5 Method and wire saw for simultaneously slicing a multiplicity of slices from a workpiece during a slicing operation. The method comprises is characterized in that a non-linear pitch function $dTAR(WP)$ is selected in dependence on a target thickness characteristic value function $TTAR(WP)$, a pitch function $dINI(WP)$ and a thickness characteristic value function $TINI(WP)$, $dTAR(WP)$ assigning adjacent grooves in the casing of the wire guide rollers at a position WP a pitch during the slicing operation,
10 $TINI(WP)$ assigning slices which are obtained during a plurality of preceding slicing operations by means of the wire saw at the position WP a thickness characteristic value, measured on the slices, $dINI(WP)$ assigning adjacent grooves in the casing of the wire guide rollers at the position WP a pitch during the preceding slicing
15 operations, $TTAR(WP)$ assigning slices which are sliced off during the slicing operation at the position WP a target thickness characteristic value, and WP denoting the axial position of the adjacent grooves with respect to the axes of the wire guide rollers.

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Drawing relating to the abstract: fig. 2