

Abstract

Method for simultaneously slicing a plurality of slices from a workpiece by means of a wire saw

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A method for simultaneously slicing a plurality of slices from a workpiece by means of a wire saw, comprising

10 a slicing grinding process, wherein a workpiece is moved perpendicularly to a longitudinal axis of the workpiece towards a wire web of a sawing wire stretched between two wire guide rollers, which sawing wire is moved in the longitudinal direction of the sawing wire, wherein a cooling lubricant is fed to the wire web, and wherein slices which are fastened to a beam, and between which slicing gaps exist, are produced between wire sections of the wire web, and

15 the removal of the beam and the slices from the wire web;

characterized by the spraying of the slicing gaps with a fluid by means of a spray device during removal of the beam and the slices, until the wire sections have left the slicing gaps, wherein the fluid is fed at high pressure through nozzles fastened to nozzle brackets which are moved in oscillating fashion parallel to the longitudinal axis

20 of the workpiece, wherein the fluid and the entrained air occasionally stimulate vibration of the slices.

Abstract drawing: Fig. 1