

Title (en)  
GRINDING-SUPPORTING DEVICE

Title (de)  
SCHLEIFSTÜTZVORRICHTUNG

Title (fr)  
DISPOSITIF D'APPUI POUR RECTIFICATION

Publication  
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Application  
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Abstract (en)  
[origin: WO2010142670A1] The invention relates to a method and a device for multiple-bearing grinding of workpieces (10), such as crankshafts (22), wherein a support element seat (28) occurs at a bearing point at the same time as the grinding of the main bearing (21). A grinding-supporting unit (30) is used that contains a grinding spindle head having at least one grinding disk (32) and support elements (34) in the form of support jaws or support bodies that can be swiveled in. After the support point seat (28) is ground, the support elements (34) are brought into contact therewith and support the workpiece (10) during the further machining. The simultaneous grinding of the support point seat (28) and several bearing points (27) results in a reduction in the machining time in the grinding of the workpiece (10) compared to the prior art.

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