

Title (en)
GRINDING CENTER AND METHOD FOR SIMULTANEOUS GRINDING OF A PLURALITY OF BEARINGS AND END-SIDE SURFACES OF CRANKSHAFTS

Title (de)
SCHLEIFZENTRUM UND VERFAHREN ZUM GLEICHZEITIGEN SCHLEIFEN MEHRERER LAGER UND ENDSEITIGEN FLÄCHEN VON KURBELWELLEN

Title (fr)
CENTRE DE RECTIFICATION ET PROCÉDÉ DE RECTIFICATION SIMULTANÉE DE PLUSIEURS PALIERS ET DE SURFACES D'EXTRÉMITÉ DE VILEBREQUINS

Publication
EP 2167277 A1 20100331 (DE)

Application
EP 08775284 A 20080722

Priority
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Abstract (en)
[origin: US2010203805A1] A grinding center for the simultaneous grinding of a plurality of main and rod bearings and/or central and end-side sections of crankshafts includes first and second stations. Two main bearing grinding spindles, of which the first is movable only in the Z-direction and the second only insignificantly movable in the X-direction, are mounted on a common rod bearing-compound slide. In the final phase of grinding, a correction of variations in size between the two processed rod bearings occurs via a separated drive of the second rod bearing-grinding spindle in accordance with a size or roundness correction. The variations are detected by measuring devices. An inclined profiled grinding wheel is provided for the grinding of the end sections.

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CPC (source: EP US)
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Citation (search report)
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