

Title (en)

ROUGH-GRINDING AND FINISH-GRINDING A CRANKSHAFT IN A CLAMPING

Title (de)

VOR- UND FERTIGSCHLEIFEN EINER KURBELWELLE IN EINER AUFSPANNUNG

Title (fr)

DEGROSSISSAGE ET FINISSAGE A LA MEULE D'UN VILEBREQUIN A L'AIDE D'UN SEUL DISPOSITIF DE FIXATION

Publication

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Application

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Abstract (en)

[origin: DE19919893A1] The present invention relates to a method for grinding a centrally clamped crankshaft (1). The invention also relates to a grinding machine (43) for crankshafts for carrying out said method and a crankshaft (1) consisting of high-alloy steel or cast. According to the inventive method, lifting bearings (12) and main bearings (11) of the crankshaft (1) are ground in a clamping in such a way that at least the main bearings (11) are rough-ground and subsequently the lifting bearings (12) and then the main bearings (11) are finish-ground. The grinding machine (43) for crankshafts forms a working centre by means of which corresponding rough-grinding and finish-grinding are possible in one single clamping.

IPC 1-7

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CPC (source: EP US)

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Cited by

DE102014211938A1; DE102008007175A1; WO2011054679A1; DE102009051737B3; DE102008007175B4; DE102014211937B3; DE102014211937C5; WO2009095299A1; US8506357B2; WO2015197449A1; US9108287B2; EP3157708B1

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