

Title (en)

Device and system for finishing a workpiece in the form of a crankshaft or a camshaft

Title (de)

Vorrichtung und System zur Finishbearbeitung eines Werkstücks in Form einer Kurbelwelle oder einer Nockenwelle

Title (fr)

Dispositif et système de finition de surface d'une pièce à usiner en forme de vilebrequin ou d'arbre à came

Publication

EP 2769806 B1 20141217 (DE)

Application

EP 13156079 A 20130221

Priority

EP 13156079 A 20130221

Abstract (en)

[origin: EP2769806A1] The device (10) has a workpiece holder (16) and a rotational drive (22) for rotating a workpiece around its workpiece axis (24). A first finishing tool (56) is provided for machining a main bearing (34), which is concentric to the workpiece axis, and a second finishing tool (58) is provided for machining an additional bearing (36), which is offset relative to the workpiece axis in a radial direction. A tool drive (48) is provided to generate an oscillating movement excluding the finishing tools in a direction parallel to the workpiece axis. An independent claim is included for a system for finish-machining of a workpiece in the form of a crankshaft or a camshaft.

IPC 8 full level

B24B 35/00 (2006.01)

CPC (source: EP US)

B24B 5/42 (2013.01 - EP US); **B24B 19/12** (2013.01 - EP US); **B24B 21/006** (2013.01 - EP US); **B24B 21/008** (2013.01 - EP US); **B24B 21/02** (2013.01 - EP US); **B24B 27/0076** (2013.01 - EP US); **B24B 35/00** (2013.01 - EP US)

Cited by

EP3411181A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2769806 A1 20140827; **EP 2769806 B1 20141217**; BR 112015020081 A2 20170718; BR 112015020081 B1 20210720; CN 105121093 A 20151202; CN 105121093 B 20160831; US 2016031060 A1 20160204; US 9550265 B2 20170124; WO 2014127926 A1 20140828

DOCDB simple family (application)

EP 13156079 A 20130221; BR 112015020081 A 20140113; CN 201480018814 A 20140113; EP 2014050499 W 20140113; US 201414769103 A 20140113