

Title (en)

METHOD FOR THE SUPPORT OF A ROTATING WORKPIECE DURING GRINDING AND A HYDRODYNAMIC STEADY REST

Title (de)

VERFAHREN ZUR UNTERSTÜTZUNG EINES ROTIERENDEN WERKSTÜCKS BEIM SCHLEIFEN UND HYDRODYNAMISCHE LÜNETTE

Title (fr)

PROCÉDÉ ET SUPPORT POUR SUPPORTER UNE PIÈCE ROTATIVE LORS DU MEULAGE ET LUNETTE HYDRODYNAMIQUE

Publication

**EP 2162261 A2 20100317 (DE)**

Application

**EP 08774703 A 20080703**

Priority

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- DE 102007031512 A 20070706

Abstract (en)

[origin: US2010181712A1] In a method for the hydrodynamic support and centering of a rotating workpiece during grinding and a steady rest usable for this purpose the bearing to be supported is impinged upon by a contact pressure which changes in accordance with rotational speed from a minimum pressure when the shaft is started from a standstill, to a maximum value during the processing rotational speed. The steady rest has an opening of a transverse bore in a central bore receiving a supply line by which a lubricant can be supplied as hydraulic fluid to the bearing. The method is particularly suitable for the processing of camshafts and crankshafts.

IPC 8 full level

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CPC (source: EP US)

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