

Title (en)

Method for lapping conical surfaces, and lapping device for carrying out this method.

Title (de)

Verfahren zum Läppen von kegelförmigen Oberflächen und Läppvorrichtung zum Verwerten desselben.

Title (fr)

Procédé de rodage de surfaces coniques, et dispositif de rodage mettant en oeuvre ce procédé.

Publication

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Application

**EP 84402306 A 19841113**

Priority

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Abstract (en)

1. A method of lapping conical surfaces wherein friction is produced between a plane abrasive surface (3) and the conical surface (S1) of at least one member (P1) having a principal axis of symmetry (AS1) in accordance with which it is fixed to a support (2) for members, the abrasive surface (3) being moved in a mean given direction (A and A1) in relation to the member (P1) and, in contact with the conical surface (S1) admitting as the axis of revolution the principal axis of symmetry (AS1) of the member (P1), characterized in that, the member being mounted free in rotation around its principal axis (AS1) of symmetry, the method consists in displacing the member (P1) circularly around a first axis (5) which is substantially perpendicular to the plane of the abrasive surface (3) and which coincides with the axis of symmetry of the support (2) in such a manner as to continuously modify an angle of friction ( $\alpha$ ) formed between the generatrix (G1) in contact with the abrasive surface (3) and the mean direction (A and A1) of the latter, and permitting, under the effect of the friction with the surface (3), the rotation of the member (P1) around its principal axis (AS1) of symmetry at variable speeds and in alternating directions, as a function of the positions of the member (P1) in relation to the first axis (5).

Abstract (fr)

L'invention concerne un procédé de rodage de surfaces coniques, dans lequel est provoqué un frottement entre une surface abrasive (3) plane en mouvement et la surface conique (S1) d'au moins une pièce (P1) également en mouvement. La pièce (P1) est en contact avec la surface abrasive (3) selon une génératrice (G) de la surface conique (S1) à roder. L'invention s'applique au rodage de toutes surfaces coniques ou tronconiques.

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