Title (en)
METHOD FOR CENTRELESS CYLINDRICAL GRINDING OF A WORKPIECE

Title (de)
VERFAHREN ZUM SPITZENLOSEN RUNDSCHLEIFEN EINES WERKSTÜCKS

Title (fr)
PROCÉDÉ DE RECTIFICATION CYLINDRIQUE SANS CENTRE D'UNE PIÈCE

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Application
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Priority
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Abstract (en)
[origin: WO2012028604A2] On a workpiece (1) there are first longitudinal portions (2a, 2b, 2c) which are rotationally symmetrical with respect to the continuous longitudinal axis (5) and are intended to be ground by way of centreless grinding. The workpiece (1) also has a second longitudinal portion (3), which is not rotationally symmetrical with respect to the longitudinal axis (5) and would lead to imbalance in the event of rotation. Therefore, a balancing weight (6) having a radially extending recess (7) is placed on the second longitudinal portion (3) (arrow 9, sliding ribs 8). The balancing weight (6) contributes largely to uniform distribution of the rotating masses, thus reduces the imbalance to a very low residual imbalance and allows reliable and precise centreless grinding.

IPC 8 full level
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